

ENVIRONMENTAL PRODUCT DECLARATION



Included floor coating systems

Sikafloor® DecoFlake
Sikafloor® ESD Control
Sikafloor® Fastflor® CR
Sikafloor® Morritex
Sikafloor® Ucrete®

Sikafloor® Quartzite®
Sikafloor® Resoclad MRW Type II
Sikafloor® Resoclad MRW Type III
Sikafloor® Smooth Epoxy
Sikafloor® Terrazzo

Sikafloor® Metallic FX
Sikalastic® -3900 Traffic System
Sikalastic® -2500 Ground Slab
Waterproofing System
Sikafloor® -3S

The development of this type III environmental product declaration (EPD) for resinous and cementitious floor coating systems manufactured in Canada was commissioned by Sika Canada. It was developed in compliance with CAN/CSA-ISO 14025 and ISO 21930 by Groupe AGÉCO and has been verified by Athena Sustainable Materials Institute.

This EPD includes life cycle assessment (LCA) results for the production, construction, use and end-of-life stages (cradle-to-grave).

For more information about Sika Canada, please visit www.sika.ca

Issue date: July 10, 2025

Minor Amendment: January 19, 2026



To support comparative assertions, this EPD meets all comparability requirements stated in ISO 14025:2006. However, differences in assumptions, data quality, and variability between LCA data sets used to model impacts (e.g., ecoinvent) may still exist between EPDs. As such, caution should be exercised when evaluating EPDs from different manufacturers or programs, as the EPD results may not be entirely comparable. Any EPD comparison must be carried out at the construction works level per ISO 21930:2017 guidelines. EPDs are comparable only if they comply with that document, use the same sub-category PCR where applicable, include all relevant information modules and are based on equivalent scenarios with respect to the context of construction works. The results of this EPD reflect an average performance by the product and its actual impacts may vary on a case-to-case basis. This declaration shall solely be used in a Business to Business (B2B) capacity.

Program operator	CSA Group 178 Rexdale Blvd, Toronto, ON, Canada M9W 1R3 www.csagroup.org		
Product	Sika resinous and cementitious flooring systems		
EPD registration number	2167-1883		
EPD recipient organization	Sika Canada 601 avenue Delmar, Pointe-Claire (Quebec) H9R 4A9 www.sika.ca		
Reference PCR	PCR for Resinous Floor Coatings NSF International Valid through December 31, 2025		
Date of issue (approval)	July 10, 2025		
Period of validity	July 10, 2025 – July 9, 2030		
PCR review conducted by	Thomas P. Gloria, Ph. D. Industrial Ecology Consultants 35 Bracebridge Rd. Newton, MA 02459-1728 (617) 553-4929 t.gloria@industrial-ecology.com	Mr. Bill Stough Sustainable Research Group PO Box 1684 Grand Rapids, MI 49501-1684 616-889-0640 bstough@sustainableresearchgroup.com	Mr. Jack Geibig EcoForm 2624 Abelia Way, Suite 611 Knoxville, TN 37931 (865) 850-1883 jgeibig@ecoform.com
LCA and EPD prepared by	Groupe AGÉCO www.groupeageco.ca ageco@groupeageco.ca		
This EPD and related data were independently verified by an external verifier, Lindita Bushi, according to CAN/CSA-ISO 14025:2006 and ISO 21930:2017.	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External <i>Lindita Bushi</i> Lindita Bushi, Ph.D. Athena Sustainable Materials Institute 280 Albert St., Suite 404, Ottawa, Ontario, Canada K1P 5G8 lindita.bushi@athenasmi.org www.athenasmi.org		
Functional unit	1 m ² of covered and protected flooring surface for a period of 60 years		
Market and technical lifetimes	Market: 5 to 30 years Technical: 5 to 60 years		
Content of the products	See section 2 for a complete description		
Data quality assessment score	Good		
Manufacturing locations	Pointe-Claire, Quebec, Canada Edmonton, Alberta, Canada		



Environmental Product Declaration Summary Sheet

Sika Canada | Sika Resinous & Cementitious Flooring Systems

This is a summary of the product-specific type III environmental product declaration (EPD) describing the environmental performance of resinous and cementitious flooring systems manufactured by Sika Canada.



EPD commissioner and owner Sika Canada	Period of validity July 10, 2025 – July 9, 2030	Program operator and registration number CSA Group 2167-1883	Product Category Rule PCR for Resinous Floor Coatings (NSF, 2025)	LCA and EPD consultants Groupe AGÉCO
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What is a Life Cycle Assessment (LCA)?

LCA is a science-based and internationally recognized tool to evaluate the relative potential environmental impacts of products and services throughout their life cycle, beginning with raw material extraction and including all aspects of transportation, production, use, and end-of-life treatment. The method is defined by the International Organization for Standardization (ISO) 14040 and 14044 standards. For EPD development, Product Category Rules (PCR) give additional guidelines on how to conduct the LCA of the product.

Why an EPD?

Sika Canada is seeking to provide the industry, decision makers, influencers, and the public with more transparency, in terms of its sustainability efforts and environmental performance of its products, relying on a rigorous and recognized communication tool, the EPD. By selecting products with an EPD, building projects can earn credits towards the Leadership in Energy and Environmental Design (LEED) rating system certification. In LEED v4, v4.1 and v5, points are awarded in the Materials and Resources category.

Product description

Resinous systems include epoxy, polyurethane, polyurethane aliphatic, and urethane acrylic-type systems made of individual coatings sold as liquid components. Cementitious systems made of individual cementitious and resinous coatings. Cementitious components are sold as powders.

Systems included in the EPD

- Sikafloor® DecoFlake®
- Sikafloor® ESD Control
- Sikafloor® Fastflor® CR
- Sikafloor® Morritex
- Sikafloor® Ucrete®
- Sikafloor® Quartzite®
- Sikafloor® Resoclad MRW Type II
- Sikafloor® Resoclad MRW Type III

Functional unit

One square metre (1 m²) of covered and protected flooring surface for a period of 60 years.

Scope and system boundary

Cradle-to-grave: production (A1-A3), construction (A4-A5), use (B1-B7) and end-of-life (C1-C4) stages.

- Sikafloor® Smooth Epoxy
- Sikafloor® Terrazzo
- Sikafloor® Metallic FX
- Sikalastic®-3900 Traffic System
- Sikalastic®-2500 Ground Slab Waterproofing System
- Sikafloor®-3S

Potential environmental impacts



The cradle-to-gate potential environmental impacts of **1 m² of covered and protected flooring surface** are summarized below for each floor system, and main environmental indicator assessed (based on life cycle impact assessment method TRACI 2.1). Please, refer to the body of the EPD for more detailed cradle-to-grave results. Results on resource use, waste generated, and output flows are presented in the body of the EPD.

Total cradle-to-gate (A1-A3) results of resinous and cementitious flooring systems per m² of covered and protected surface
(complete results are available in the full EPD below)

System	GWP kg CO ₂ eq. /m ²	AP kg SO ₂ eq. /m ²	EP kg N eq. /m ²	SFP kg O ₃ eq. /m ²	ODP kg CFC-11 eq. /m ²
Sikafloor® DecoFlake® (1.5 mm)	1.11E+01	4.30E-02	3.72E-02	5.40E-01	3.35E-07
Sikafloor® DecoFlake® (3 mm)	1.30E+01	5.07E-02	4.37E-02	6.39E-01	3.90E-07
Sikafloor® ESD Control	5.23E+00	2.16E-02	2.04E-02	2.65E-01	1.53E-07
Sikafloor® Fastflor® CR (smooth)	4.64E+00	1.90E-02	1.77E-02	2.36E-01	1.42E-07
Sikafloor® Fastflor® CR (broadcast)	1.12E+01	4.55E-02	4.18E-02	5.71E-01	3.36E-07
Sikafloor® Morritex (smooth)	1.13E+01	4.60E-02	4.03E-02	5.79E-01	3.39E-07
Sikafloor® Morritex (broadcast)	1.17E+01	4.65E-02	3.92E-02	5.99E-01	3.34E-07
Sikafloor® Morritex (trowel)	1.93E+01	7.84E-02	6.31E-02	9.65E-01	5.63E-07
Sikafloor® Ucrete®	2.33E+01	8.44E-02	7.14E-02	1.01E+00	4.74E-07
Sikafloor® Quartzite® (broadcast)	3.09E+01	1.19E-01	1.08E-01	1.53E+00	9.46E-07
Sikafloor® Quartzite® (heavy-duty broadcast)	2.04E+01	7.90E-02	6.56E-02	1.01E+00	6.02E-07
Sikafloor® Quartzite® (trowel)	1.25E+01	4.73E-02	4.14E-02	6.18E-01	3.79E-07
Sikafloor® Resoclad MRW Type II	7.59E+00	2.38E-02	2.91E-02	2.80E-01	1.54E-07
Sikafloor® Resoclad MRW Type III	1.13E+01	3.66E-02	4.34E-02	4.37E-01	2.53E-07
Sikafloor® Smooth Epoxy	3.49E+00	1.43E-02	1.28E-02	1.78E-01	1.09E-07
Sikafloor® Terrazzo	2.89E+01	1.25E-01	1.12E-01	1.52E+00	8.98E-07
Sikafloor® Metallic FX	5.28E+00	2.11E-02	1.96E-02	2.64E-01	1.62E-07
Sikalastic® -3900 Traffic System (light)	1.04E+01	3.42E-02	3.94E-02	4.18E-01	2.55E-07
Sikalastic® -3900 Traffic System (medium, heavy)	1.45E+01	4.93E-02	5.58E-02	6.05E-01	3.83E-07
Sikalastic® -2500 Ground Slab Waterproofing System	4.04E+00	1.51E-02	1.49E-02	1.96E-01	1.37E-07
Sikafloor®-3S	3.41E-01	1.93E-03	1.24E-03	1.63E-02	7.80E-09

Notes:

E.g., "2.8E-1" means 0.28.

GWP = Global warming potential (GWP100); AP = Acidification potential; EP = Eutrophication potential; SFP = Smog formation potential; ODP = Ozone depletion potential.

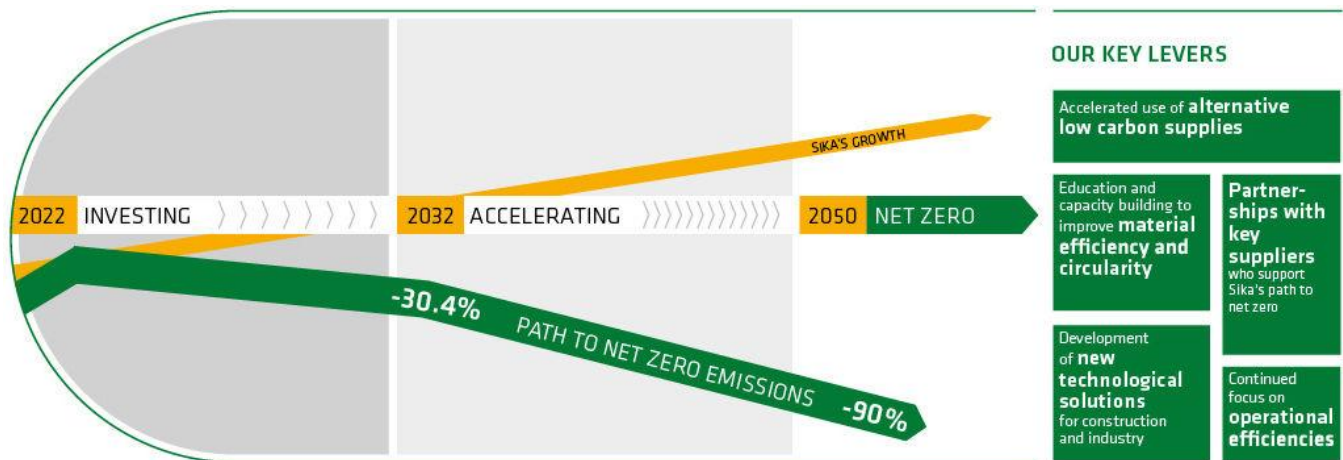
Additional environmental information

This section provides additional relevant environmental information about the manufacturer and the flooring systems that were not derived from the LCA.

Sika’s commitment to sustainability

Providing long lasting and high-performance solutions to the benefit of our customers, Sika is committed to pioneering sustainable solutions that are safer, have the lowest impact on resources and address global environmental challenges. Therefore, Sika assumes the responsibility to provide sustainable solutions to improve material, water and energy efficiency in construction and transportation. Sika strives to create more value for all its stakeholders with its products, systems and solutions along the whole value chain and throughout the entire life span of its products. In 2023, Sika launched its new strategy for the upcoming five years. **Strategy 2028** lays out ambitious financial targets and non-financial objectives, marking a continued commitment to excellence and expansion. The strategy is based on four key pillars: Market Penetration, Innovation & Sustainability, Acquisitions, People & Culture. It is aligned with eight megatrends that are transforming the industry and driving Sika's continuous success.

Sika is committed to reach **net-zero** no later than 2050. Sika commits to report annually on its progress towards meeting these targets (see figure below). Sika also acknowledges that the latest climate science may change and is committed to reviewing all active targets every 5 years to ensure consistency with the latest Science Based Targets Initiative (SBTi) criteria.



On the perspective of reducing the environmental impacts of their products, some components studied in the present document present a biobased carbon content, measured in accordance with ASTM D6866-24.



Sika is the 1st company within the specialty chemicals and building materials sector to develop and implement the **Sustainability Portfolio Management (SPM)** Concept based on the World Business Council of Sustainable Development framework. The SPM evaluates solutions based on 12 sustainability and 6 performance categories. SPM is used to classify, and market sustainable solutions.

Volatile organic compound (VOC) content

Individual coating products in this EPD contain between 0 and 240 grams of VOC per litre. The VOC content was measured according to EPA 24 or ASTM D2369 standard methods. All products were compliant with the Canadian “Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations” at the time of the study.

Sika Canada discloses the VOC content of its products in publicly available safety data sheets. Sika Canada submits annual reports to the National Pollutant Release Inventory (NPRI) for all its sites. To date, no exceedances of regulatory thresholds have been recorded, particularly regarding VOCs listed in Section 4 of the NPRI Reporting Guide. Additionally, to ensure rigorous monitoring of our air emissions, Sika Canada collaborates annually with a consultant to conduct a detailed pollutant inventory, including VOCs, at the following sites: Sika Boisbriand, Sika Brantford and Sika Cambridge. This proactive approach reflects Sika Canada’s commitment to environmental compliance and transparency.

Waste packaging management

Sika Canada encourages its customers to responsibly dispose of used packaging. Most of them are recyclable. To make recycling easier, it is recommended to separate used packaging according to their material (paper, plastic and metal). Ask information to local municipalities about recycling programs for industrial coating packaging.

For more information: www.sika.ca

1. Description of Sika Canada

Sika Canada Inc., a wholly owned subsidiary of Sika AG, is active in the field of specialty chemicals supplying the building and civil engineering sectors with a complete range of high-quality solutions for new construction, concrete repair and protection, and structural reinforcement with products such as specialty mortars/grouts/concrete; sealants and adhesives; waterproofing solutions; structural strengthening systems; concrete admixtures and additives; industrial and commercial flooring systems; protective and decorative coatings; as well as roofing systems. Sika Canada is also present on the home improvement market with a specific range of products specifically developed for homeowners. The industrial product division serves the manufacturing sector, including industries such as automotive (car, bus, trucks, commercial body manufacturers, AEM, AGR, etc.), shipbuilding, rail, building components/envelopes, and alternative energies sectors, by providing high-performance sealing and bonding solutions and other specialty materials.

Visit Sika Canada’s website for more information at www.sika.ca

2. Description of product

2.1. Definition and product classification

This EPD developed with the Product Category Rules (PCR) for Resinous Floor Coatings from NSF covers 14 floor coating systems comprising resinous and cementitious products. Resinous systems include epoxy, polyurethane, polyurethane aliphatic, and urethane acrylic-type systems made of individual coatings (i.e., primer, basecoat and topcoat) sold as liquid components. Components are shipped to the construction site where they are mixed and applied in layers. The cementitious systems are made of individual cementitious and resinous coatings (i.e.,

primer, basecoat and topcoat). Cementitious components are sold as powders that are then mixed with water or polymer during installation.



Figure 1: Examples of resinous floor coating systems

The main substances entering the composition of resinous floor coating systems are presented in Table 1.

Table 1: Composition of resinous floor coating systems included in this EPD

Systems and variants	Product Options*	Product Role	Product (coating)	Average coverage (kg/m ²)
Sikafloor® Resoclad MRW Type II	1	Basecoat	Sikalastic-390 Membrane	0.89
		Topcoat	Sikafloor®-2540W NA	0.25
	2	Topcoat	Sikafloor® Duochem 942	0.11
Sikafloor® Resoclad MRW Type III	1	Membrane	Sikalastic-390 Membrane	0.89
		Basecoat	Sikalastic-391N	0.47
	2	Topcoat	Sikafloor®-2540W NA	0.25
Sika® Fastflor® (smooth)		Topcoat	Sikafloor® Duochem 942	0.11
		Primer	Sikafloor® Fastflor CR	0.23
Sika® Fastflor® (broadcast)		Bodycoat	Sikafloor® Fastflor CR	0.44
		Primer	Sikafloor® Fastflor CR	0.23
		Broadcast coat	Sikafloor® Fastflor CR	1.03
		Basecoat	Quartz aggregate	2.44
Sikafloor® Decoflake® System (1.5 mm)	1	Topcoat	Sikafloor® Fastflor CR	0.29
		Primer	Sikafloor®-261 ^{CA}	0.28
		Primer	Sikafloor®-1610	0.30
	2	Primer	Sikafloor®-1620	0.25
		Bodycoat	Sikafloor®-261 ^{CA}	0.70
		Bodycoat	Sikafloor®-261 FS	0.70
		Bodycoat	Sikafloor® DecoFlake	1.00
1	Topcoat	Sikafloor®-219 UTE	0.28	
	Finish	Sikafloor®-219 UTE	0.14	
1	Primer	Sikafloor®-261 ^{CA}	0.28	

Systems and variants	Product Options*	Product Role	Product (coating)	Average coverage (kg/m ²)
Sikafloor® Decoflake® System (3 mm)	1	Primer	Sikafloor® Broadcast Quartz Aggregate	5.00
	2	Primer	Sikafloor®-1610	0.30
	3	Primer	Sikafloor®-1620	0.25
	1	Bodycoat	Sikafloor®-261 ^{CA}	1.06
	2	Bodycoat	Sikafloor®-261 FS	1.07
		Bodycoat	Sikafloor® DecoFlake	1.00
		Topcoat	Sikafloor®-219 UTE	0.28
		Finish	Sikafloor®-219 UTE	0.14
Sikafloor® ESD Control	1	Primer	Sikafloor®-156 ^{CA}	0.28
	2	Primer	Sikafloor®-1610	0.30
	3	Primer	Sikafloor®-1620	0.25
		Bodycoat	Sikafloor® 222W ESD	0.13
	1	Topcoat	Sikafloor®-270 ESD	0.56
Sikafloor® Morritex® self-levelling (smooth)	2	Topcoat	Sikafloor®-260 ESD	0.56
		Primer	Sikafloor®-261 ^{CA}	0.28
	1	Self-levelling coat	Sikafloor®-261 ^{CA}	2.37
	2	Self-levelling coat	Sikafloor®-261 FS	2.39
Sikafloor® Morritex® self-levelling (broadcast)		Self-levelling coat	Quartz aggregate	4.54
	1	Primer	Sikafloor®-261 ^{CA}	0.28
	2	Primer	Sikafloor®-261 FS	0.28
	1	Self-levelling coat	Sikafloor®-261 ^{CA}	1.51
	2	Self-levelling coat	Sikafloor®-261 FS	1.53
		Self-levelling coat	Quartz aggregate	2.90
		Broadcast	Quartz aggregate	7.50
Sikafloor® Morritex® (trowel)	1	Topcoat	Sikafloor®-261 ^{CA}	0.49
	2	Topcoat	Sikafloor®-261 FS	0.50
	1	Primer	Sikafloor®-156 ^{CA}	0.28
	2	Primer	Sikafloor®-219 UTE	0.28
		Screed mortar	Sikafloor®-156 ^{CA}	1.56
		Screed mortar	Sikafloor® Aggregate PT	14.29
	1	Grout & Topcoat	Sikafloor®-261 ^{CA}	0.49
	2	Grout & Topcoat	Sikafloor®-261 FS	0.50
Sikafloor® Ucrete®	3	Basecoat	Sika® Ucrete® HS22 NA	10.47
	1	Aggregate	Quartz aggregate	7.50
	1	Topcoat	Sika® Ucrete® TC31 NA	0.32
	2	Topcoat	Sika® Ucrete® 33 NA	0.52
	1	Coving mortar	Sika® Ucrete® RG29 NA	0.09

Systems and variants	Product Options*	Product Role	Product (coating)	Average coverage (kg/m ²)
Sikafloor® Quartzite® (broadcast)	1	Primer	Sikafloor®-156 ^{CA}	0.28
	2	Primer	Sikafloor®-219 UTE	0.28
		1st broadcast	Sikafloor®-156 ^{CA}	0.42
		1st broadcast	Sikafloor® Broadcast Quartz Aggregate	3.00
		2nd broadcast	Sikafloor®-156 ^{CA}	0.55
		2nd broadcast	Sikafloor® Broadcast Quartz Aggregate	4.00
	1	Topcoat	Sikafloor®-219 UTE	1.71
	2	Topcoat	Sikafloor®-217	1.71
Sikafloor® Quartzite® (heavy-duty broadcast)	1	Primer	Sikafloor®-156 ^{CA}	0.28
	2	Primer	Sikafloor®-219 UTE	0.28
		Screed Mortar	Sikafloor®-156 ^{CA}	0.79
		Screed Mortar	Sikafloor® Aggregate PT	7.27
		1st broadcast	Sikafloor®-156 ^{CA}	0.42
		1st broadcast	Sikafloor® Broadcast Quartz Aggregate	3.00
		2nd broadcast	Sikafloor®-156 ^{CA}	0.55
		2nd broadcast	Sikafloor® Broadcast Quartz Aggregate	4.00
Sikafloor® Quartzite® (trowel)	1	Topcoat	Sikafloor®-219 UTE	0.39
	2	Topcoat	Sikafloor®-217	0.39
	1	Primer	Sikafloor®-156 ^{CA}	0.28
	2	Primer	Sikafloor®-219 UTE	0.28
		Mortar	Sikafloor®-156 ^{CA}	0.81
		Mortar	Sikafloor® Trowel Quartz Aggregate	5.93
	1	Grout coat	Sikafloor®-219 UTE	0.19
	2	Grout coat	Sikafloor®-217	0.19
Sikafloor® Terrazzo	1	Topcoat	Sikafloor®-219 UTE	0.39
	2	Topcoat	Sikafloor®-217	0.39
Sikalastic 3900 Traffic System (light)		Basecoat	Sikafloor® Terrazzo	7.74
		Primer	Sika MT Primer	0.27
		Membrane	Sikalastic-390 Membrane	0.74
	1	Topcoat	Sikalastic-391N	0.52
	2	Topcoat	Sikalastic-220 FS	0.52
Sikalastic 3900 Traffic System (medium & heavy)	3	Topcoat	Sikalastic-394	0.53
		Primer	Sika MT Primer	0.27
		Membrane	Sikalastic-390 Membrane	0.74
	1	1st Topcoat	Sikalastic-391N	0.66

Systems and variants	Product Options*	Product Role	Product (coating)	Average coverage (kg/m ²)
Sikalastic 2500 Traffic	2	1st Topcoat	Sikalastic-220 FS	0.66
	3	1st Topcoat	Sikalastic-394	0.66
	1	2nd Topcoat	Sikalastic-391N	0.48
	2	2nd Topcoat	Sikalastic-220 FS	0.48
	3	2nd Topcoat	Sikalastic-394	0.48
			Primer	Sikalastic-2570 W Primer
Sikafloor® Smooth Epoxy		Topcoat	Sikalastic-2545 w GSC	0.70
	1	Primer	Sikafloor®-261 ^{CA}	0.22
	2	Primer	Sikafloor®-261 FS	0.22
	3	Primer	Sikafloor®-1610	0.21
	4	Primer	Sikafloor®-1620	0.18
	1	Topcoat	Sikafloor®-261 ^{CA}	0.61
Sikafloor® Metallic FX	2	Topcoat	Sikafloor®-261 FS	0.61
	1	Primer	Sikafloor®-261 ^{CA}	0.31
	2	Primer	Sikafloor®-219 UTE	0.25
	1*	Metallic Coat	Sikafloor®-219 UTE	0.54
	2	Metallic Coat	Sikafloor®-217	0.53
Sikafloor®-3S		Pigments	Sika Metallic Powder	0.05
		Concrete densifier	Sikafloor®-3S	0.24

* Each product role has one option. If multiple options share the same option number, they are grouped together.

More information on these systems is available on Sika Canada's website:
<https://can.sika.com/en/solutions-and-products.html>

2.2. Material content

The material composition of each component as disclosed in SDS (Safety Data Sheets) is provided in Table 2 as required by the PCR. The complete component formulations were used to calculate the LCA results.

Table 2: Composition of components as disclosed in SDS

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)
Quartz aggregate (generic)	No SDS available for this product		
Sika® Metallic Powder	Mica	12001-26-2	>= 50 - < 70
	Diiron trioxide	1309-37-1	>= 30 - < 50
	Quartz (SiO ₂) >5µm	14808-60-7	>= 30 - < 60
Sika® MT Primer (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 10 - < 30

¹ Resinous components are usually sold in two or three separate parts that are mixed on site prior to application. When this is the case, the part in which the ingredient is contained is indicated with a letter.

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
Sika® MT Primer (B)	Benzyl alcohol	100-51-6	>= 30 - < 60
	Adduct IXA (Epoxy Amine Adduct)	Not Assigned	>= 10 - < 30
	Isophoronediamine	2855-13-2	>= 10 - < 30
	m-phenylenebis(methylamine)	1477-55-0	>= 10 - < 30
	ethanol	64-17-5	>= 5 - < 10
	Phenol, 4-dodecyl-, branched	210555-94-5	>= 1 - < 5
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 5
Sikafloor® 222W ESD (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 10 - < 30
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
Sikafloor® 222W ESD (B)	2-Propenenitrile, reaction products with 3-amino-1,5,5-trimethylcyclohexanemethanamine	90530-15-7	>= 2 - < 5
	Isophoronediamine	2855-13-2	>= 0 - < 1
	m-phenylenebis(methylamine)	1477-55-0	>= 0 - < 1
Sikafloor® Aggregate PT	Quartz (SiO ₂)	14808-60-7	>= 80 - <= 100
	dibutyl phthalate	84-74-2	>= 0.1 - < 1
Sikafloor® Broadcast Quartz Aggregate	Quartz (SiO ₂)	14808-60-7	>= 80 - <= 100
Sikafloor® DecoFlake	No SDS available for this product		
Sikafloor® Duochem 942 (A)	2-methoxy-1-methylethyl acetate	108-65-6	>= 10 - < 30
	acetone	67-64-1	>= 5 - < 10
	4-hydroxy-4-methylpentan-2-one	123-42-2	>= 5 - < 10
	xylene	1330-20-7	>= 1 - < 5
	ethylbenzene	100-41-4	>= 1 - < 5
	zinc bis(2-ethylhexanoate)	136-53-8	>= 0.1 - < 1
	propylidynetrimethanol	77-99-6	>= 0.1 - < 1
Sikafloor® Duochem 942 (B)	Aliphatic polyisocyanate	28182-81-2	>= 80 - <= 100
	propylene carbonate	108-32-7	>= 5 - < 10
	n-butyl acetate	123-86-4	>= 5 - < 10
	xylene	1330-20-7	>= 5 - < 10
	ethylbenzene	100-41-4	>= 1 - < 5
	hexamethylene-di-isocyanate	822-06-0	>= 0.1 - < 1
Sikafloor® Fastflor CR(A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 60 - < 80
	2,3-epoxypropyl o-tolyl ether	2210-79-9	>= 5 - < 10
	bisphenol-F-(epichlorhydrin) epoxy resin	9003-36-5	>= 1 - < 5
	P-tert-butylphenyl-1-(2,3-epoxy)propyl ether	3101-60-8	>= 1 - < 5
	Benzyl alcohol	100-51-6	>= 30 - < 60

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)
Sikafloor® Fastflor CR(B)	4,4'-methylenebis(cyclohexylamine)	1761-71-3	>=10 - < 30
	m-phenylenebis(methylamine)	1477-55-0	>= 10 - < 30
	4,4'-isopropylidenediphenol	80-05-7	>= 5 - < 10
Sikafloor® Terrazzo (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	dibutyl phthalate	84-74-2	>= 1 - < 5
	1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane	17557-23-2	>= 1 - < 5
	Trimethylolpropane triglycidylether	30499-70-8	>= 0.1 - < 1
Sikafloor® Terrazzo (B)	Quartz (SiO2) >5µm	14808-60-7	>= 0.1 - < 1
	Benzyl alcohol	100-51-6	>= 40 - < 50
	Isophoronediamine	2855-13-2	>= 30 - < 40
	m-phenylenebis(methylamine)	1477-55-0	>= 5 - < 10
Sikafloor® Trowel Quartz Aggregate	2,2'-iminodiethylamine	111-40-0	>= 1 - < 2
	Quartz (SiO2)	14808-60-7	>= 80 - <= 100
	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 60 - < 80
Sikafloor® -156 ^{CA} (A)	bis(isopropyl)naphthalene	38640-62-9	>= 10 - < 30
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 5 - < 10
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
	Benzyl alcohol	100-51-6	>= 1 - < 5
	Benzyl alcohol	100-51-6	>= 30 - < 60
Sikafloor® -156 ^{CA} (B)	Isophoronediamine	2855-13-2	>= 10 - < 30
	m-phenylenebis(methylamine)	1477-55-0	>= 10 - < 30
	3,6,9-triazaundecamethylenediamine	112-57-2	>= 10 - < 30
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 5 - < 10
	Quartz (SiO2) >5µm	14808-60-7	>= 30 - < 60
Sikafloor® -1610 (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 10 - < 30
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
	Benzyl alcohol	100-51-6	>= 25 - < 50 %
Sikafloor® -1610 (B)	Isophoronediamine	2855-13-2	>= 10 - < 20 %
	m-phenylenebis(methylamine)	1477-55-0	>= 10 - < 20 %
	ethanol	64-17-5	>= 5 - < 10 %
	Phenol, 4-dodecyl-, branched	210555-94-5	>= 3 - < 5 %
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 3 - < 5 %
Sikafloor® -1620 (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 60 - < 80
	Polymer of epichlorohydrinpolyglycol	41638-13-5	>= 10 - < 30
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 10 - < 30

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)
Sikafloor [®] -1620 (B)	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 1 - < 5
	Isophoronediamine	2855-13-2	>= 30 - < 60
	P-tert-butylphenol (PTBP)	98-54-4	>= 10 - < 30
	m-phenylenebis(methylamine)	1477-55-0	>= 10 - < 30
	Cycloaliphatic polyamine (trade secret)	Not Assigned	>= 10 - < 30
	Polyoxypropylene diamine	9046-10-0	>= 10 - < 30
	Benzyl alcohol	100-51-6	>= 5 - < 10
	Salicylic acid, o-hydroxybenzoic acid	69-72-7	>= 0.1 - < 1
Sikafloor [®] -217 (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 60 - < 80
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 10 - < 30
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 5 - < 10
	Benzyl alcohol	100-51-6	>= 1 - < 5
	ethyl 4-[[[(methylphenylamino)methylene]amino]benzoate	57834-33-0	>= 1 - < 5
	bisphenol-F-(epichlorhydrin) epoxy resin	9003-36-5	>= 1 - < 5
	P-tert-butylphenyl-1-(2,3-epoxy)propyl ether	3101-60-8	>= 1 - < 5
Sikafloor [®] -217 (B)	Benzyl alcohol	100-51-6	>= 30 - < 60
	Isophoronediamine	2855-13-2	>= 10 - < 30
	Adduct TMA	111850-23-8	>= 10 - < 30
	2,2,4(or 2,4,4)-trimethylhexane-1,6- diamine	25513-64-8	>= 10 - < 30
	Phenol, 4-dodecyl-, branched	210555-94-5	>= 5 - < 10
Sikafloor [®] -219 UTE (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 60 - < 80
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 10 - < 30
	ethanol	64-17-5	>= 1 - < 5
	Benzyl alcohol	100-51-6	>= 1 - < 5
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
Sikafloor [®] -219 UTE (B)	Polyoxypropylene diamine	9046-10-0	>= 30 - < 60
	Benzyl alcohol	100-51-6	>= 10 - < 30
	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	25513-64-8	>= 5 - < 10
	2-piperazin-1-ylethylamine	140-31-8	>= 5 - < 10
	2,2'-iminodiethylamine	111-40-0	>= 0.1 - < 1
Sika [®] Ucrete [®] HS22 NA (A)	Butane-1,4-diol	110-63-4	>= 1 - < 5
	barium sulfate	7727-43-7	>= 1 - < 5
Sika [®] Ucrete [®] HS22 NA (B)	4,4'-methylenediphenyl diisocyanate	101-68-8	>= 40 - < 50
	Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	>= 40 - < 50

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)
	o-(p-isocyanatobenzyl)phenyl isocyanate (MDI)	5873-54-1	>= 20 - < 25
Sika® Ucrete® HS22 NA (C)	Quartz (SiO ₂)	14808-60-7	>= 15 - < 40
	Quartz (SiO ₂) <5µm	14808-60-7	>= 15 - < 40
	Portland cement	65997-15-1	>= 15 - < 40
Sikafloor®-2540 W NA (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 10 - < 30
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
Sikafloor®-2540 W NA (B)	2-Propenenitrile, reaction products with 3-amino-1,5,5-trimethylcyclohexanemethanamine	90530-15-7	>= 5 - < 10
	Isophoronediamine	2855-13-2	>= 1 - < 5
	m-phenylenebis(methylamine)	1477-55-0	>= 1 - < 5
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 5
	Isotridecyl alcohol, ethoxylated, phosphated	73038-25-2	>= 1 - < 5
	Quartz (SiO ₂) >5µm	14808-60-7	>= 0.1 - < 1
Sikafloor®-260 ESD (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	Quartz (SiO ₂) >5µm	14808-60-7	>= 30 - < 60
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 5 - < 10
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
	bisphenol-F-(epichlorhydrin) epoxy resin	9003-36-5	>= 1 - < 5
	P-tert-butylphenyl-1-(2,3-epoxy)propyl ether	3101-60-8	>= 1 - < 5
Sikafloor®-260 ESD (B)	Benzyl alcohol	100-51-6	>= 10 - < 30
	Ammonium Sulfate compound	Not Assigned	>= 10 - < 30
	Adduct IA (epoxy amine adduct)	68609-08-5	>= 10 - < 30
	Isophoronediamine	2855-13-2	>= 10 - < 30
	Polyoxypropylene diamine	9046-10-0	>= 5 - < 10
	Phenol, 4-nonyl, branched	84852-15-3	>= 1 - < 5
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 5
	m-phenylenebis(methylamine)	1477-55-0	>= 1 - < 5
	P-tert-butylphenol (PTBP)	98-54-4	>= 1 - < 5
	Cycloaliphatic polyamine (trade secret)	Not Assigned	>= 1 - < 5
Sikafloor®-261 FS (A)	Quartz (SiO ₂)	14808-60-7	>= 30 - < 60
	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 5 - < 10
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
Sikafloor®-261 FS (B)	Benzyl alcohol	100-51-6	>= 30 - < 60

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)	
Sikafloor®-261 ^{CA} (A)	m-phenylenebis(methylamine)	1477-55-0	>= 10 - < 30	
	Isophoronediamine	2855-13-2	>= 10 - < 30	
	P-tert-butylphenol (PTBP)	98-54-4	>= 10 - < 30	
	Cycloaliphatic polyamine (trade secret)	Not Assigned	>= 10 - < 30	
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 5 - < 10	
	bis[(dimethylamino)methyl]phenol	71074-89-0	>= 1 - < 5	
	Quartz (SiO ₂) >5µm	14808-60-7	>= 30 - < 60	
	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60	
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 1 - < 5	
	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5	
	bisphenol-F-(epichlorhydrin) epoxy resin	9003-36-5	>= 1 - < 5	
	P-tert-butylphenyl-1-(2,3-epoxy)propyl ether	3101-60-8	>= 1 - < 5	
	Sikafloor®-261 ^{CA} (B)	benzyl alcohol	100-51-6	>= 40 - < 50
		Isophoronediamine	2855-13-2	>= 10 - < 20
m-phenylenebis(methylamine)		1477-55-0	>= 10 - < 20	
bisphenol-A-(epichlorhydrin) epoxy resin		25068-38-6	>= 10 - < 20	
ethanol		64-17-5	>= 5 - < 10	
Phenol, 4-nonyl-, branched		84852-15-3	>= 5 - < 10	
2,4,6-tris(dimethylaminomethyl)phenol		90-72-2	>= 2 - < 5	
2-propenenitrile, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine (TMD cyanethylated)		90530-20-4	>= 1 - < 2	
2,2,4(or 2,4,4)-trirnethylhexane-1,6diamine		25513-64-8	>= 0 - < 1	
benzyl alcohol		100-51-6	>= 30 - < 60	
Isophoronedemine		2855-13-2	>= 10 - < 30	
m-phenylenebis(methylamine)		1477-55-0	>= 10 - < 30	
bisphenol-A-(epichlorhydrin) epoxy resin		25068-38-6	>= 10 - < 30	
ethanol		64-17-5	>= 5 - < 10	
Phenol, 4-nonyl-, branched	84852-15-3	>= 5 - < 10		
2,4,6- tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 5		
2-propenenitrile, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6- hexanediamine (TMD cyanethylated)	90530-20-4	>= 1 - < 5		
2,2,4(or 2,4,4)-trimethylhexane-1,6- diamine	25513-64-8	>= 0.1 - < 1		
Sikafloor®-270ESD (A)	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 30 - < 60	
	Quartz (SiO ₂)	14808-60-7	>= 5 - < 10	
	bis(isopropyl)naphthalene	38640-62-9	>= 5 - < 10	
	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 1 - < 5	
	bisphenol-F-(epichlorhydrin) epoxy resin	9003-36-5	>= 0.1 - < 1	
P-tert-butylphenyl-1-(2,3-epoxy)propyl ether	3101-60-8	>= 0.1 - < 1		

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)
Sikafloor®-270ESD (B)	benzyl alcohol	100-51-6	>= 30 - < 60
	Methyleneoxide, polymer with benzenamine, hydrogenated	135108-88-2	>= 30 - < 60
	Cyclohex-1,2-ylendiamine	694-83-7	>= 1 - < 5
	2,4,6- tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 5
	Salicylic acid, o-hydroxybenzoic acid	69-72-7	>= 1 - < 5
Sika® Ucrete® RG29 NA (A)	Aliphatic Amines	Not Assigned	>= 0.1 - < 1
	Butane-1,4-diol	110-63-4	>= 1 - < 5
Sika® Ucrete® RG29 NA (B)	barium sulfate	7727-43-7	>= 1 - < 5
	4,4'-methylenediphenyl diisocyanate	101-68-8	>= 40 - < 50
	Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	>= 40 - < 50
Sika® Ucrete® RG29 NA (C)	o-(p-isocyanatobenzyl)phenyl isocyanate (MDI)	5873-54-1	>= 20 - < 25
	Quartz (SiO ₂)	14808-60-7	>= 70 - <= 80
Sika® Ucrete® TC31 NA (A)	Portland cement	65997-15-1	>= 10 - < 20
	Butane-1,4-diol	110-63-4	>= 1 - < 5
Sika® Ucrete® TC31 NA (B)	barium sulfate	7727-43-7	>= 1 - < 5
	4,4'-methylenediphenyl diisocyanate	101-68-8	>= 40 - < 50
	Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	>= 40 - < 50
Sika® Ucrete® TC31 NA (C)	o-(p-isocyanatobenzyl)phenyl isocyanate (MDI)	5873-54-1	>= 20 - < 25
	Portland cement	65997-15-1	>= 80 - <= 100
Sika® Ucrete® 33 NA (A)	Quartz (SiO ₂) <5µm	14808-60-7	>= 0.1 - < 1
	Butane-1,4-diol	110-63-4	>= 1 - < 5
Sika® Ucrete® 33 NA (B)	barium sulfate	7727-43-7	>= 1 - < 5
	Aliphatic polyisocyanate	28182-81-2	>= 90 - <= 100
	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	>= 0 - < 1
	hexamethylene-di-isocyanate	822-06-0	>= 0 - < 1
Sika® Ucrete® 33 NA (C)	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	>= 0 - < 1
	Quartz (SiO ₂)	14808-60-7	>= 40 - < 50
	Calcium hydroxide	1305-62-0	>= 20 - < 25
Sikafloor®-3S	Quartz (SiO ₂) <5µm	14808-60-7	>= 10 - < 20
Sikalastic®-394 (A)	Sodium Silicate	1344-09-8	>= 10 - < 30
Sikalastic®-394 (B)	No hazardous ingredients		
	Aliphatic polyisocyanate	28182-81-2	>= 60 - < 80
	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	>= 30 - < 60

Components	Hazardous Ingredients ¹	CAS No.	Concentration (%w/w)
Sikalastic®-220 FS (A)	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 80 - <= 100
	solvent naphtha (petroleum), heavy arom.	64742-94-5	>= 5 - < 10
	naphthalene	91-20-3	>= 0.1 - < 1
Sikalastic®-220 FS (B)	Phenol, 4-nonyl, branched	84852-15-3	>= 30 - < 60
	Benzyl alcohol	100-51-6	>= 10 - < 30
	2-methylpentane-1,5-diamine	15520-10-2	>= 5 - < 10
	Polyoxypropylene diamine	9046-10-0	>= 5 - < 10
	m-phenylenebis(methylamine)	1477-55-0	>= 1 - < 5
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 5
	Isophoronediamine	2855-13-2	>= 1 - < 5
	P-tert-butylphenol (PTBP)	98-54-4	>= 1 - < 5
Sikalastic®-2545 w GSC (A)	Cycloaliphatic polyamine (trade secret)	Not Assigned	>= 1 - < 5
	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 10 - < 30
Sikalastic®-2545 w GSC (B)	oxirane, mono[(C12-14-alkyloxy)methyl]derivatives	68609-97-2	>= 1 - < 5
	Aminopolymer	180583-06-6	>= 10 - < 30
	Isophoronediamine	2855-13-2	>= 1 - < 5
	Poly(oxy-1,2-ethanediyl), alphasotridecyl-omega-hydroxy-, phosphate	73038-25-2	>= 1 - < 5
Sikalastic®-2570 W Primer (A)	3,6,9-triazaundecamethylenediamine	112-57-2	>= 0.1 - < 1
	Quartz (SiO2)	14808-60-7	>= 0.1 - < 1
	bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	>= 30 - < 60
Sikalastic®-2570 W Primer (B)	bisphenol-F-(epichlorhydrin) epoxy resin	28064-14-4	>= 5 - < 10
	2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 5
	m-phenylenebis(methylamine)	1477-55-0	>= 1 - < 5
	Cashew, nutshell liq.	8007-24-7	>= 1 - < 5
	3-Aminopropyldimethylamine	109-55-7	>= 1 - < 5
Sikalastic®-390 Membrane (A)	1,2-diaminoethane	107-15-3	>= 0.1 - < 1
	phenol	108-95-2	>= 0.1 - < 1
Sikalastic®-390 Membrane (B)	No hazardous ingredients		
	Polyisocyanate prepolymer based on MDI	103837-35-0	>= 30 - < 60
	4,4'-methylenediphenyl diisocyanate	101-68-8	>= 30 - < 60
	o-(p-isocyanatobenzyl)phenyl isocyanate	5873-54-1	>= 10 - < 30
Sikalastic®-391N (A)	2,2'-methylenediphenyl diisocyanate	2536-05-2	>= 0.1 - < 1
	No hazardous ingredients		
Sikalastic®-391N (B)	4,4'-methylenediphenyl diisocyanate	101-68-8	>= 60 - < 80
	Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	>= 30 - < 60

3. Scope of EPD

3.1. Functional unit

The functional unit of this cradle-to-grave EPD is:

One square metre (1 m²) of covered and protected flooring surface for a period of 60 years

To determine the amount of product needed to satisfy the functional unit, a service life is estimated. The values for the resinous and cementitious flooring systems are reported in Table 3. For each floor system, there are at least two different service life values: a technical service life, for which coating systems are designed for, and a market service life, a typical period after which users replace coating systems. Then, these values may differ depending on the application, whether it is commercial or industrial.

Table 3: Estimated service life in years

System	Variant	System type	Commercial application [†]		Industrial application ^{††}	
			Market service life	Technical service life	Market service life	Technical service life
Sikafloor® DecoFlake®		SLBS	20	30	-	-
Sikafloor® ESD Control		TM	-	-	5	5
Sikafloor® Fastflor® CR	Smooth	TM	-	-	5	5
Sikafloor® Fastflor® CR	Broadcast*	SLBS	-	-	10	15
Sikafloor® Morritex	Smooth and Broadcast*	SLBS	20	30	10	15
Sikafloor® Morritex	Trowel*	MMMT	30	60	20	30
Sikafloor® Ucrete®		MMMT	30	60	20	30
Sikafloor® Quartzite®	Broadcast*	SLBS	20	30	10	15
Sikafloor® Quartzite®	Trowel and HDB*	MMMT	30	60	20	30
Sikafloor® Resoclad MRW Type II		TM	20	30	5	5
Sikafloor® Resoclad MRW Type III		SLBS	20	30	10	15
Sikafloor® Smooth Epoxy		TM	10	15	5	5
Sikafloor® Terrazzo		MMMT	30	60	-	-
Sikafloor® Metallic FX		TM	10	15	-	-
Sikalastic®-3900 Traffic System		TM	10	15	5	5
Sikalastic®-2500 Ground Slab Waterproofing System		SLBS	20	30	10	15
Sikafloor® -3S		TM	10	15	5	5

Legend

TM: Thin-mil floor coating

SLBS: Self-levelling or broadcast slurry floor coating

MMMT: Mortar/monolithic mortar/terrazzo floor coating

- : not applicable

* In broadcast systems (incl. self-levelling), aggregates are broadcast on a wet binder coat, while in trowel systems, aggregates are premixed with the binder (screed mortar) and applied with a trowel. A heavy-duty broadcast (HDB) system is composed of a screed mortar layer and broadcast layers. Trowel and HDB systems last longer than broadcast systems.

[†]Values taken from table 3.1 in the PCR for resinous floor coatings (NSF, 2025).

^{††}Values taken from table 3.2 in the PCR for resinous floor coatings (NSF, 2025).

3.2. System boundaries

This cradle-to-grave LCA includes modules related to production, construction, use, and end-of-life stages as shown in Table 4 and described in this section. All modules required by the PCR for resinous floor coatings from NSF are included. Figure 2 shows the cradle-to-grave processes for resinous and cementitious floor coating systems included in this EPD.

Table 4: Life cycle stages included or not considered in the system boundaries

Production stage			Construction stage		Use stage							End-of-life stage				
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Raw materials	Transport	Manufacturing	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	MND

Legend:

X: considered in the system boundaries

MND: Module not declared

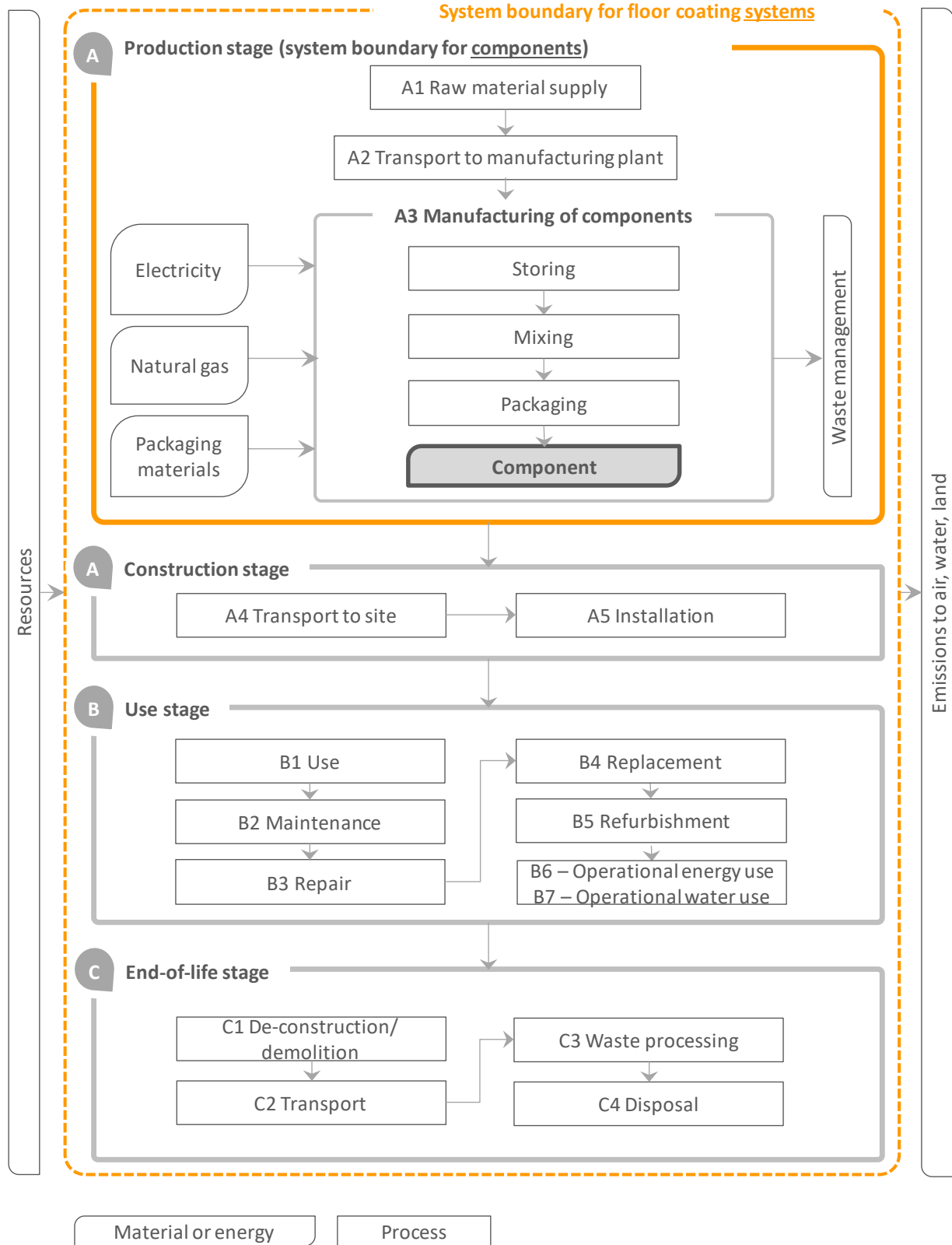


Figure 2: Process flow for all life cycle modules considered

A1 – RAW MATERIAL SUPPLY

Coatings are composed of components made of many different ingredients (intermediate materials), such as epoxy for resinous components or cement and sand for cementitious components. These ingredients are manufactured in Canada, the United States, Europe, South America, Asia and Australia. This module includes the production of the ingredients, including raw material extraction, transformation, and energy production.

A2 – TRANSPORT TO MANUFACTURING PLANTS

Materials are transported from suppliers to the Sika's manufacturing plants by truck, and boat if shipped from overseas. This module includes transport-related air emissions as well as fuel, vehicles, and infrastructure production.

A3 – MANUFACTURING

This module covers the manufacturing of coating components, in liquid or powder form.

Once delivered to the Sika manufacturing plant, liquid materials for resinous components are stored until their use. Then, materials are mixed in a tank following the product formulation. The mix goes under quality control, is packed in polyethylene (PE) or metallic pails and stored until shipping. Cardboard is also used for packaging.

The manufacturing of cementitious components involves mainly powders. Powder ingredients are shipped to the Sika plant and stored until their use. Then, the materials are mixed with a powder mixer according to a recipe. The result goes under quality control, is packed in paper bags, and stored until shipping. Cardboard is also used during packaging.

Natural gas and electricity are the main sources of energy used at the manufacturing plants. Electricity is used in various processes and natural gas is used for heating. Most of the liquid waste is generated at the mixing stations and is mainly sent to incineration. Solid waste (powders) is generated at the mixer and is mainly recycled internally.

This module also includes the production and transport of primary packaging for the final products. Sika products are sold in a variety of packaging as described in Table 5.

Table 5: Packaging description

Packaging type	End-of-life treatment	Mass (in kg)	Data source	Biogenic carbon content** (kg C)
Paper bag (contains 25 kg)	Landfill	0.10	Estimated [†]	0.05
Paper bag (contains 22.7 kg)	Landfill	0.10	Estimated [†]	0.05
Paper bag (contains 21 kg)	Landfill	0.20	Sika	0.10
Paper bag (contains 15 kg)	Landfill	0.06	Estimated [†]	0.042
Paper bag (contains 30 kg)	Landfill	0.13	Estimated [†]	0.05
Cardboard box (contains 4 x 4 l)	Landfill	0.42	Estimated [†]	0.21
Metallic can (3.78 l)	Landfill*	0.43	Estimated [†]	0
PE canister (4 l)	Landfill	0.5	Estimated [†]	0
PE pail (20 l)	Landfill	1.5	Sika	0
PE pail (10 l)	Landfill	1.0	Sika	0
PE pail (5 l)	Landfill	0.5	Sika	0
Metallic pail (12 l)	Landfill*	0.77	Sika	0
Metallic pail (15 l)	Landfill*	0.88	Sika	0
Metallic pail (21 l)	Landfill*	1.13	Sika	0
Metallic pail (7.56 l)	Landfill*	0.59	Estimated [†]	0
PP FIBC (600 L)	Landfill	1.45	Sika	0
PP FIBC (900 L)	Landfill	3.83	Sika	0
PE sleeve	Landfill	0.13	Estimated [†]	0
PR pouch	Landfill	0.03	Sika	0

* Metallic containers may be recycled at the construction site, especially in a LEED® project. However, it would not be a representative case of how this packaging waste is usually treated.

** Source: ecoinvent 3.10 (default 50% C-content assumption)

† Estimated through linear regression of other packaging primary data: capacity and mass

A4 – TRANSPORT TO THE CONSTRUCTION SITE

System components manufactured by Sika Canada are transported by truck from the manufacturing plant to a nearby warehouse before being shipped to construction sites. This module includes air emissions as well as fuel, vehicles, and infrastructure production. The default PCR transportation modes and distances were used.

A5 – INSTALLATION

For the resinous and cementitious flooring systems, this module includes installing the floor coating system by subsequently applying the products to a floor substrate. Each coat requires curing time, during which it is assumed that VOCs are emitted to air.

It is assumed that a small amount of products remain unused and is therefore considered as waste. The production of the unused product (modules A1 to A4) is included in this module, but not its disposal, in conformance with the PCR for resinous floor coatings. The disposal of product packaging is included in this module.

B1 – USE

Once the product is cured, the use stage starts. No impacts associated to this module have been calculated.

B2 – MAINTENANCE

Although maintenance requirements can significantly vary between systems, a conservative cleaning scenario was applied based on assumptions from the PCR for the resinous and cementitious flooring systems. It includes the production of cleaning products.

B3 – REPAIR / B4 – REPLACEMENT / B5 – REFURBISHMENT

It was assumed that repairs (module B3) are negligible during the whole product service lifetime and were therefore not considered for any system.

Recoats (module B4) are needed to reach the 60-year building lifetime defined by the functional unit. Impacts of the replacement scenarios described in Table 6 for each system were calculated using the same method as in the production and construction stages (A1 to A5 modules).

Table 6: Replacement scenarios of the resinous and cementitious flooring systems

System	Replacement scenario
Sikafloor® DecoFlake®	Additional new topcoat
Sikafloor® ESD Control	Entire recoat
Sikafloor® Fastflor® CR	Additional new topcoat
Sikafloor® Morritex	Additional new topcoat
Sikafloor® Ucrete®	Additional new topcoat
Sikafloor® Quartzite®	Additional new topcoat
Sikafloor® Resoclad MRW Type II	Additional new topcoat
Sikafloor® Resoclad MRW Type III	Additional new topcoat
Sikafloor® Smooth Epoxy	Additional new topcoat
Sikafloor® Terrazzo	Refresh polish or overcoat with new topcoat
Sikafloor® Metallic FX	Additional new topcoat
Sikalastic® -3900 Traffic System	Additional new topcoat
Sikalastic® -2500 Ground Slab Waterproofing System	Additional new topcoat
Sikafloor® -3S	Additional new topcoat

No impact was reported in module B5, since no refurbishment takes place.

B6 – OPERATIONAL ENERGY USE AND B7 – OPERATIONAL WATER USE

No impact was reported in these modules, since the floor systems consume neither energy nor water.

C1 – DECONSTRUCTION/DEMOLITION

It is considered that no impact from the deconstruction or demolition is attributable to the studied systems since they are unlikely to be separated from the substrate and recovered from deconstruction or demolition waste.

C2 – WASTE TRANSPORT

Applied coatings are transported to landfills as well as water-based unused coatings from installation (A5 and B1) and replacements (B4). Unused solvent-based coatings from these modules are sent to incineration for energy

recovery. This module includes transport air emissions as well as fuel, vehicles, and infrastructure production. The default PCR transportation modes and distances were used.

C3 – WASTE PROCESSING

All unused solvent-based coatings from the A5 and B4 modules are assumed to be incinerated for energy recovery at their end of life. Credits for energy recovery are considered negligible and are not accounted for in module D.

C4 – DISPOSAL

All applied coatings are assumed to be sent to landfill as well as unused water-based coatings from the A5 and B4 modules.

3.3. Geographical and temporal boundaries

The geographical boundaries are representative of current equipment and processes associated with resinous and cementitious floor coating system manufacturing, use and disposal in Canada. Since the data were collected for the year 2023, they are considered temporally representative (i.e., less than 5 years old). All data were modelled using the ecoinvent 3.10 database released in 2023 (ecoinvent, 2023), which meets the PCR requirements. A weighted average production volume at each location is utilized for calculation purposes.

4. Potential environmental impacts assessment

This cradle-to-grave life cycle assessment has been conducted according to ISO 14040 and 14044 standards and the PCR for Resinous Floor Coatings (NSF, 2025). Potential environmental impacts were calculated with the impact assessment method TRACI 2.1 (US EPA, 2012). The description of these reported indicators is provided in the glossary (section 6.2).

4.1. Assumptions

When specific data was not available, generic data which fulfilled the minimum criteria of the PCR were used. The ecoinvent database v3.10 recycled content allocation served as the main source of secondary data. It should be noted that most, though not all, of the data within ecoinvent is of European origin and developed to represent European industrial conditions and processes. Therefore, in some cases, these modules were further adapted to enhance their representativeness of the products and contexts being examined. However, in the recent updates of the ecoinvent database, a lot of efforts have been put into creating market groups for regions, countries and products. Other assumptions included in this LCA were related to raw material modelling, colours and transportation.

4.2. Criteria for the exclusion of inputs and outputs

Processes or elementary flows may be excluded if the life cycle inventory (LCI) data amounts to a minimum of 95 % of total inflows in terms of mass and energy to the upstream and core module. The following processes were excluded from the study due to their expected low contribution and the lack of readily available data:

- Personnel impacts
- Research and development activities
- Business travel
- Secondary packaging
- Point-of-sale infrastructure
- Coating applicator

4.3. Data quality

Data sources

Specific data were collected from Sika Canada for operations occurring in 2023 (less than 5 years old). **Generic data** collected for the upstream and downstream stages were representative of the Canadian context and technologies used.

The LCA model was developed with the SimaPro 9.6 software using ecoinvent 3.10 database, which was released in 2023 (less than 2 years). Since most of the data within ecoinvent is of European origin and produced to represent European industrial conditions and processes, several data were adapted to enhance their representativeness of the products and contexts being assessed.

Data quality

The overall data quality ratings show that the data used were of good quality. This data quality assessment confirms the high reliability, representativeness (technological, geographical and time-related), completeness, and consistency of the information and data used for this study.

4.4. Allocation

Allocation of multi-output processes

When unavoidable allocation was done by mass, or other physical relationship. Economic value allocation was not used.

Allocation at Sika's manufacturing plant

Sika's plants produce many different products, including several that are not part of the scope of this study. Product ingredients were available for each product and did not need to be allocated. However, general inputs such as electricity, natural gas, and water were allocated based on the production volume in tonnes. Percentages were calculated by the manufacturers through data collection.

No burdens are allocated across the system boundary with secondary material, secondary fuel or recovered energy flows arising from waste.

Allocation for end-of-life processes

As stated in the PCR, a recycled content approach (i.e., cut-off approach) was applied when a product is recycled. The impacts associated with the recycling process are thus attributed to the products using these materials.

ecoinvent processes with allocation

Many of the processes in the ecoinvent database also provide multiple functions, and allocation is required to provide inventory data per function (or per process). This study accepts the allocation method used by ecoinvent for those processes. The ecoinvent system model used was "Allocation, cut-off". It should be noted that the allocation methods used in ecoinvent for background processes (i.e., processes representing the complete supply chain of a good or service used in the life cycle of a floor covering system) may be inconsistent with the approach used to model the foreground system (i.e., to model the manufacturing of a floor covering system with data collected in the literature and from manufacturers). While this allocation is appropriate for foreground processes, continuation of this methodology into the background data sets would add complexity without substantially improving the quality of the study.

4.5. Life cycle impact assessment – results

The following tables present the results for 1 m² of floor coating systems over the production, use, and end-of-life stages (A to C) according to each estimated service life in Table 3. Cradle-to-gate results (modules A1 to A3) of individual components can be provided upon request to Sika Canada. For each flooring system, there are at least two different service life values: a technical service life, for which coating systems are designed for, and a market service life, a typical period after which users replace coating systems. The service life also differs depending on whether the system is intended for commercial or industrial application. The reference flows shown indicate the amount of product needed to satisfy the functional unit, including all coats and recoatings over the service life.

Total results must be interpreted with care as total results are based on scenario modules A4-C4 (ISO 21930, 2017, Figure 2). Scenarios are "collection of assumptions and information relevant to possible future events" (ISO 21930, 2017).

Table 7

System: Sikafloor® DecoFlake® (1.5 mm)

Application: Commercial

Reference flow over the service life (kg/m²): 3.66E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.28E+01	1.11E+01	6.49E-01	2.42E-01	0.00E+00	1.22E+00	0.00E+00	9.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-01	1.00E-01	6.38E-02
AP	kg SO ₂ eq.	8.68E-02	4.30E-02	1.34E-03	9.04E-04	0.00E+00	5.00E-03	0.00E+00	3.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	8.22E-06	3.19E-04
EP	kg N eq.	7.99E-02	3.72E-02	6.36E-04	2.44E-03	0.00E+00	6.05E-03	0.00E+00	3.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.89E-05	7.40E-05
SFP	kg O ₃ eq.	1.39E+00	5.40E-01	2.24E-02	1.67E-01	0.00E+00	6.71E-02	0.00E+00	5.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-02	2.54E-04	8.40E-03
ODP	kg CFC-11 eq.	6.61E-07	3.35E-07	1.07E-08	6.97E-09	0.00E+00	2.40E-08	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	9.70E-12	1.45E-09
Resource use																
NRPR _E	MJ	3.31E+02	1.60E+02	9.60E+00	3.45E+00	0.00E+00	2.22E+01	0.00E+00	1.32E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E+00	8.94E-03	1.23E+00
NRPR _M	kg	3.42E+00	2.11E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	0.00E+00	1.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.88E+01	1.01E+01	1.32E-01	2.10E-01	0.00E+00	9.16E+00	0.00E+00	9.16E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-02	2.58E-04	1.38E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.95E+02	2.09E+02	8.90E+00	4.41E+00	0.00E+00	1.93E+01	0.00E+00	1.50E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E+00	8.08E-03	1.14E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.33E-01	8.61E-02	1.31E-03	1.49E-03	0.00E+00	7.59E-02	0.00E+00	6.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	1.97E-05	6.70E-04
Waste*																
HWD	kg	8.55E-02	1.28E-02	0.00E+00	2.23E-02	0.00E+00	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-02	0.00E+00
NHWD	kg	3.79E+00	2.77E-02	0.00E+00	6.67E-02	0.00E+00	0.00E+00	0.00E+00	7.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E+00
HLRW	m ³	1.45E-08	7.08E-09	1.10E-10	1.62E-10	0.00E+00	8.25E-10	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-12	1.59E-13	1.17E-11
ILLRW	m ³	7.93E-08	3.81E-08	5.67E-10	7.89E-10	0.00E+00	4.50E-09	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-11	7.88E-13	6.11E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.47E-02	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}". e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 8

System: Sikafloor® DecoFlake® (1.5 mm)

Application: Commercial

Reference flow over the service life (kg/m²): 3.25E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.97E+01	1.11E+01	6.49E-01	2.41E-01	0.00E+00	1.22E+00	0.00E+00	6.17E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-01	8.90E-02	5.65E-02
AP	kg SO ₂ eq.	7.48E-02	4.30E-02	1.34E-03	9.04E-04	0.00E+00	5.00E-03	0.00E+00	2.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	7.29E-06	2.82E-04
EP	kg N eq.	6.86E-02	3.72E-02	6.36E-04	2.33E-03	0.00E+00	6.05E-03	0.00E+00	2.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	1.67E-05	6.56E-05
SFP	kg O ₃ eq.	1.20E+00	5.40E-01	2.24E-02	1.67E-01	0.00E+00	6.71E-02	0.00E+00	3.75E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-02	2.25E-04	7.45E-03
ODP	kg CFC-11 eq.	5.67E-07	3.35E-07	1.07E-08	6.97E-09	0.00E+00	2.40E-08	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	8.60E-12	1.29E-09
Resource use																
NRPR _E	MJ	2.86E+02	1.60E+02	9.60E+00	3.45E+00	0.00E+00	2.22E+01	0.00E+00	8.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E+00	7.92E-03	1.09E+00
NRPR _M	kg	3.00E+00	2.11E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	0.00E+00	8.43E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.58E+01	1.01E+01	1.32E-01	2.10E-01	0.00E+00	9.16E+00	0.00E+00	6.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-03	2.28E-04	1.22E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.45E+02	2.09E+02	8.90E+00	4.41E+00	0.00E+00	1.93E+01	0.00E+00	1.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E+00	7.16E-03	1.01E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.11E-01	8.61E-02	1.31E-03	1.50E-03	0.00E+00	7.59E-02	0.00E+00	4.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.75E-05	5.93E-04
Waste*																
HWD	kg	7.54E-02	1.28E-02	0.00E+00	1.97E-02	0.00E+00	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-02	0.00E+00
NHWD	kg	3.35E+00	2.77E-02	0.00E+00	6.57E-02	0.00E+00	0.00E+00	0.00E+00	5.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E+00
HLRW	m ³	1.24E-08	7.08E-09	1.10E-10	1.62E-10	0.00E+00	8.25E-10	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-12	1.41E-13	1.04E-11
ILLRW	m ³	6.76E-08	3.81E-08	5.67E-10	7.89E-10	0.00E+00	4.50E-09	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-11	6.98E-13	5.42E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.00E-02	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 9

System: Sikafloor® DecoFlake® (3 mm)

Application: Commercial

Reference flow over the service life (kg/m²): 5.71E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.55E+01	1.30E+01	1.19E+00	2.98E-01	0.00E+00	1.22E+00	0.00E+00	9.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-01	1.07E-01	9.97E-02
AP	kg SO ₂ eq.	9.64E-02	5.07E-02	2.46E-03	1.09E-03	0.00E+00	5.00E-03	0.00E+00	3.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	8.80E-06	4.98E-04
EP	kg N eq.	8.79E-02	4.37E-02	1.16E-03	3.27E-03	0.00E+00	6.05E-03	0.00E+00	3.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.02E-05	1.16E-04
SFP	kg O ₃ eq.	1.58E+00	6.39E-01	4.10E-02	2.18E-01	0.00E+00	6.71E-02	0.00E+00	5.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-02	2.72E-04	1.31E-02
ODP	kg CFC-11 eq.	7.29E-07	3.90E-07	1.96E-08	8.28E-09	0.00E+00	2.40E-08	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	1.04E-11	2.27E-09
Resource use																
NRPR _E	MJ	3.69E+02	1.88E+02	1.76E+01	4.18E+00	0.00E+00	2.22E+01	0.00E+00	1.32E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E+00	9.56E-03	1.93E+00
NRPR _M	kg	3.67E+00	2.36E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	1.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.09E+01	1.20E+01	2.41E-01	2.52E-01	0.00E+00	9.16E+00	0.00E+00	9.16E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02	2.76E-04	2.15E-02
RPR _M	kg	7.09E-03	6.95E-03	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.37E+02	2.41E+02	1.63E+01	5.21E+00	0.00E+00	1.93E+01	0.00E+00	1.50E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E+00	8.64E-03	1.79E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.51E-01	1.03E-01	2.39E-03	1.76E-03	0.00E+00	7.59E-02	0.00E+00	6.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	2.11E-05	1.05E-03
Waste*																
HWD	kg	1.05E-01	1.53E-02	0.00E+00	3.64E-02	0.00E+00	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-02	0.00E+00
NHWD	kg	5.87E+00	3.36E-02	0.00E+00	1.02E-01	0.00E+00	0.00E+00	0.00E+00	7.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E+00
HLRW	m ³	1.58E-08	8.21E-09	2.01E-10	1.89E-10	0.00E+00	8.25E-10	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-11	1.70E-13	1.84E-11
ILLRW	m ³	8.61E-08	4.43E-08	1.04E-09	9.25E-10	0.00E+00	4.50E-09	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-11	8.44E-13	9.56E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	6.02E-02	1.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 10

System: Sikafloor® DecoFlake® (3 mm)

Application: Commercial

Reference flow over the service life (kg/m²): 5.29E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.23E+01	1.30E+01	1.19E+00	2.98E-01	0.00E+00	1.22E+00	0.00E+00	6.17E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-01	9.96E-02	9.25E-02
AP	kg SO ₂ eq.	8.45E-02	5.07E-02	2.46E-03	1.09E-03	0.00E+00	5.00E-03	0.00E+00	2.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	8.16E-06	4.62E-04
EP	kg N eq.	7.66E-02	4.37E-02	1.16E-03	3.15E-03	0.00E+00	6.05E-03	0.00E+00	2.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	1.87E-05	1.07E-04
SFP	kg O ₃ eq.	1.39E+00	6.39E-01	4.10E-02	2.18E-01	0.00E+00	6.71E-02	0.00E+00	3.75E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-02	2.52E-04	1.22E-02
ODP	kg CFC-11 eq.	6.35E-07	3.90E-07	1.96E-08	8.28E-09	0.00E+00	2.40E-08	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	9.63E-12	2.11E-09
Resource use																
NRPR _E	MJ	3.25E+02	1.88E+02	1.76E+01	4.18E+00	0.00E+00	2.22E+01	0.00E+00	8.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E+00	8.87E-03	1.78E+00
NRPR _M	kg	3.25E+00	2.36E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	8.43E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.78E+01	1.20E+01	2.41E-01	2.52E-01	0.00E+00	9.16E+00	0.00E+00	6.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-02	2.56E-04	2.00E-02
RPR _M	kg	7.09E-03	6.95E-03	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.86E+02	2.41E+02	1.63E+01	5.21E+00	0.00E+00	1.93E+01	0.00E+00	1.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E+00	8.01E-03	1.66E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.29E-01	1.03E-01	2.39E-03	1.76E-03	0.00E+00	7.59E-02	0.00E+00	4.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	1.95E-05	9.71E-04
Waste*																
HWD	kg	9.64E-02	1.53E-02	0.00E+00	3.38E-02	0.00E+00	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-02	0.00E+00
NHWD	kg	5.43E+00	3.36E-02	0.00E+00	1.00E-01	0.00E+00	0.00E+00	0.00E+00	5.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E+00
HLRW	m³	1.37E-08	8.21E-09	2.01E-10	1.89E-10	0.00E+00	8.25E-10	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-11	1.57E-13	1.70E-11
ILLRW	m³	7.44E-08	4.43E-08	1.04E-09	9.25E-10	0.00E+00	4.50E-09	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-11	7.82E-13	8.87E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.69E-02	1.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 11

System: Sikafloor® ESD Control

Application: Industrial

Reference flow over the service life (kg/m²): 9.99E-01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market and technical service life: 5 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	6.93E+00	5.23E+00	2.70E-01	1.13E-01	0.00E+00	1.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-02	3.52E-02	1.69E-02
AP	kg SO ₂ eq.	2.79E-02	2.16E-02	5.57E-04	4.53E-04	0.00E+00	5.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	2.89E-06	8.45E-05
EP	kg N eq.	2.74E-02	2.04E-02	2.63E-04	6.11E-04	0.00E+00	6.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	6.62E-06	1.96E-05
SFP	kg O ₃ eq.	4.09E-01	2.65E-01	9.28E-03	5.93E-02	0.00E+00	6.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-03	8.91E-05	2.23E-03
ODP	kg CFC-11 eq.	1.86E-07	1.53E-07	4.44E-09	3.19E-09	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-10	3.41E-12	3.86E-10
Resource use																
NRPR _E	MJ	1.04E+02	7.52E+01	3.99E+00	1.62E+00	0.00E+00	2.22E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-01	3.14E-03	3.26E-01
NRPR _M	kg	8.00E-01	7.84E-01	0.00E+00	1.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.46E+01	5.27E+00	5.45E-02	1.10E-01	0.00E+00	9.16E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	9.05E-05	3.65E-03
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.13E+02	8.70E+01	3.70E+00	1.85E+00	0.00E+00	1.93E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-01	2.84E-03	3.03E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	1.19E-01	4.20E-02	5.42E-04	7.09E-04	0.00E+00	7.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	6.92E-06	1.78E-04
Waste*																
HWD	kg	3.26E-02	1.32E-02	0.00E+00	4.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-02	0.00E+00
NHWD	kg	1.03E+00	2.63E-02	0.00E+00	4.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-01
HLRW	m ³	4.70E-09	3.74E-09	4.55E-11	8.88E-11	0.00E+00	8.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-12	5.57E-14	3.11E-12
ILLRW	m ³	2.59E-08	2.07E-08	2.35E-10	4.30E-10	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-11	2.77E-13	1.62E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.79E-02	1.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 12

System: Sikafloor® Fastflor® CR (smooth)

Application: Industrial

Reference flow over the service life (kg/m²): 5.97E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market and technical service life: 5 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	4.55E+01	4.64E+00	1.90E-01	1.10E-01	0.00E+00	1.22E+00	0.00E+00	3.89E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-01	0.00E+00	1.05E-01
AP	kg SO ₂ eq.	1.83E-01	1.90E-02	3.92E-04	4.05E-04	0.00E+00	5.00E-03	0.00E+00	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	5.24E-04
EP	kg N eq.	1.74E-01	1.77E-02	1.85E-04	5.56E-03	0.00E+00	6.05E-03	0.00E+00	1.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	1.22E-04
SFP	kg O ₃ eq.	2.35E+00	2.36E-01	6.53E-03	8.45E-03	0.00E+00	6.71E-02	0.00E+00	1.98E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-02	0.00E+00	1.38E-02
ODP	kg CFC-11 eq.	1.35E-06	1.42E-07	3.12E-09	2.97E-09	0.00E+00	2.40E-08	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	0.00E+00	2.39E-09
Resource use																
NRPR _E	MJ	6.58E+02	6.66E+01	2.81E+00	1.45E+00	0.00E+00	2.22E+01	0.00E+00	5.59E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E+00	0.00E+00	2.03E+00
NRPR _M	kg	5.89E+00	6.49E-01	0.00E+00	1.30E-02	0.00E+00	0.00E+00	0.00E+00	5.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.74E+01	4.17E+00	3.84E-02	8.91E-02	0.00E+00	9.16E+00	0.00E+00	3.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-02	0.00E+00	2.26E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	7.42E+02	7.64E+01	2.60E+00	1.64E+00	0.00E+00	1.93E+01	0.00E+00	6.37E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E+00	0.00E+00	1.88E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.98E-01	3.51E-02	3.81E-04	1.82E-04	0.00E+00	7.59E-02	0.00E+00	2.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	1.10E-03
Waste*																
HWD	kg	1.60E-01	4.51E-03	0.00E+00	1.19E-01	0.00E+00	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	6.33E+00	1.06E-02	0.00E+00	3.22E-02	0.00E+00	0.00E+00	0.00E+00	3.38E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E+00
HLRW	m ³	3.00E-08	3.16E-09	3.20E-11	8.00E-11	0.00E+00	8.25E-10	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-11	0.00E+00	1.93E-11
ILLRW	m ³	1.66E-07	1.76E-08	1.65E-10	3.71E-10	0.00E+00	4.50E-09	0.00E+00	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-11	0.00E+00	1.01E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	4.51E-03	4.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 13

System: Sikafloor® Fastflor® CR (broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 5.75E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.68E+01	1.12E+01	1.08E+00	2.69E-01	0.00E+00	1.22E+00	0.00E+00	1.27E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-01	0.00E+00	1.01E-01
AP	kg SO ₂ eq.	1.06E-01	4.55E-02	2.24E-03	9.86E-04	0.00E+00	5.00E-03	0.00E+00	5.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	5.03E-04
EP	kg N eq.	1.02E-01	4.18E-02	1.06E-03	5.96E-03	0.00E+00	6.05E-03	0.00E+00	4.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	1.17E-04
SFP	kg O ₃ eq.	1.39E+00	5.71E-01	3.73E-02	2.03E-02	0.00E+00	6.71E-02	0.00E+00	6.43E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-02	0.00E+00	1.33E-02
ODP	kg CFC-11 eq.	7.71E-07	3.36E-07	1.78E-08	7.19E-09	0.00E+00	2.40E-08	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	0.00E+00	2.30E-09
Resource use																
NRPR _E	MJ	3.90E+02	1.61E+02	1.60E+01	3.65E+00	0.00E+00	2.22E+01	0.00E+00	1.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E+00	0.00E+00	1.94E+00
NRPR _M	kg	3.24E+00	1.51E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	0.00E+00	1.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.08E+01	1.01E+01	2.19E-01	2.18E-01	0.00E+00	9.16E+00	0.00E+00	1.10E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	0.00E+00	2.17E-02
RPR _M	kg	1.04E-02	1.02E-02	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.34E+02	1.83E+02	1.48E+01	4.06E+00	0.00E+00	1.93E+01	0.00E+00	2.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E+00	0.00E+00	1.80E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.58E-01	8.51E-02	2.18E-03	1.10E-03	0.00E+00	7.59E-02	0.00E+00	9.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	1.06E-03
Waste*																
HWD	kg	1.37E-01	1.05E-02	0.00E+00	1.14E-01	0.00E+00	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	5.93E+00	2.47E-02	0.00E+00	8.00E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E+00
HLRW	m³	1.71E-08	7.43E-09	1.83E-10	1.89E-10	0.00E+00	8.25E-10	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-11	0.00E+00	1.85E-11
ILLRW	m³	9.46E-08	4.14E-08	9.46E-10	8.79E-10	0.00E+00	4.50E-09	0.00E+00	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-11	0.00E+00	9.66E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.05E-02	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 14

System: Sikafloor® Fastflor® CR (broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 5.17E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.26E+01	1.12E+01	1.08E+00	2.67E-01	0.00E+00	1.22E+00	0.00E+00	8.43E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-01	0.00E+00	9.06E-02
AP	kg SO ₂ eq.	8.92E-02	4.55E-02	2.24E-03	9.85E-04	0.00E+00	5.00E-03	0.00E+00	3.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	4.53E-04
EP	kg N eq.	8.58E-02	4.18E-02	1.06E-03	5.46E-03	0.00E+00	6.05E-03	0.00E+00	3.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	1.05E-04
SFP	kg O ₃ eq.	1.17E+00	5.71E-01	3.73E-02	2.02E-02	0.00E+00	6.71E-02	0.00E+00	4.29E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-02	0.00E+00	1.19E-02
ODP	kg CFC-11 eq.	6.44E-07	3.36E-07	1.78E-08	7.19E-09	0.00E+00	2.40E-08	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	0.00E+00	2.07E-09
Resource use																
NRPR _E	MJ	3.29E+02	1.61E+02	1.60E+01	3.65E+00	0.00E+00	2.22E+01	0.00E+00	1.21E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E+00	0.00E+00	1.75E+00
NRPR _M	kg	2.67E+00	1.51E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	0.00E+00	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.71E+01	1.01E+01	2.19E-01	2.18E-01	0.00E+00	9.16E+00	0.00E+00	7.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-02	0.00E+00	1.96E-02
RPR _M	kg	1.04E-02	1.02E-02	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.64E+02	1.83E+02	1.48E+01	4.05E+00	0.00E+00	1.93E+01	0.00E+00	1.38E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E+00	0.00E+00	1.62E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.27E-01	8.51E-02	2.18E-03	1.14E-03	0.00E+00	7.59E-02	0.00E+00	6.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	9.51E-04
Waste*																
HWD	kg	1.21E-01	1.05E-02	0.00E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	5.32E+00	2.47E-02	0.00E+00	8.00E-02	0.00E+00	0.00E+00	0.00E+00	7.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E+00
HLRW	m³	1.43E-08	7.43E-09	1.83E-10	1.89E-10	0.00E+00	8.25E-10	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-11	0.00E+00	1.67E-11
ILLRW	m³	7.90E-08	4.14E-08	9.46E-10	8.79E-10	0.00E+00	4.50E-09	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-11	0.00E+00	8.69E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.05E-02	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 15

System: Sikafloor® Morritex (smooth)

Application: Commercial

Reference flow over the service life (kg/m²): 2.50E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	5.21E+01	1.13E+01	1.71E+00	3.04E-01	0.00E+00	1.22E+00	0.00E+00	3.56E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+00	4.44E-01	4.39E-01
AP	kg SO ₂ eq.	1.98E-01	4.60E-02	3.54E-03	1.03E-03	0.00E+00	5.00E-03	0.00E+00	1.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-03	3.63E-05	2.19E-03
EP	kg N eq.	1.78E-01	4.03E-02	1.68E-03	1.47E-02	0.00E+00	6.05E-03	0.00E+00	1.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	8.33E-05	5.10E-04
SFP	kg O ₃ eq.	3.82E+00	5.79E-01	5.91E-02	3.24E-01	0.00E+00	6.71E-02	0.00E+00	2.57E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-01	1.12E-03	5.79E-02
ODP	kg CFC-11 eq.	1.43E-06	3.39E-07	2.82E-08	7.51E-09	0.00E+00	2.40E-08	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	4.29E-11	1.00E-08
Resource use																
NRPR _E	MJ	7.49E+02	1.61E+02	2.53E+01	3.86E+00	0.00E+00	2.22E+01	0.00E+00	5.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E+01	3.95E-02	8.47E+00
NRPR _M	kg	5.91E+00	1.58E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	0.00E+00	4.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	5.29E+01	1.14E+01	3.48E-01	2.41E-01	0.00E+00	9.16E+00	0.00E+00	3.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-02	1.14E-03	9.48E-02
RPR _M	kg	6.88E-02	1.69E-02	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	5.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	8.33E+02	1.87E+02	2.34E+01	4.33E+00	0.00E+00	1.93E+01	0.00E+00	5.76E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E+01	3.57E-02	7.86E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	4.53E-01	9.65E-02	3.45E-03	6.47E-04	0.00E+00	7.59E-02	0.00E+00	2.71E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	8.71E-05	4.61E-03
Waste*																
HWD	kg	5.58E-01	1.61E-02	0.00E+00	3.13E-01	0.00E+00	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-01	0.00E+00
NHWD	kg	2.53E+01	3.81E-02	0.00E+00	6.24E-02	0.00E+00	0.00E+00	0.00E+00	2.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E+01
HLRW	m ³	2.84E-08	7.06E-09	2.90E-10	1.65E-10	0.00E+00	8.25E-10	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-11	7.01E-13	8.08E-11
ILLRW	m ³	1.54E-07	3.86E-08	1.50E-09	8.21E-10	0.00E+00	4.50E-09	0.00E+00	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-10	3.48E-12	4.21E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.01E-01	1.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 16

System: Sika[®] Morritlex (smooth)

Application: Commercial

Reference flow over the service life (kg/m²): 1.88E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.98E+01	1.13E+01	1.71E+00	2.96E-01	0.00E+00	1.22E+00	0.00E+00	2.38E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-01	3.34E-01	3.30E-01
AP	kg SO ₂ eq.	1.51E-01	4.60E-02	3.54E-03	1.03E-03	0.00E+00	5.00E-03	0.00E+00	9.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-03	2.74E-05	1.65E-03
EP	kg N eq.	1.36E-01	4.03E-02	1.68E-03	1.13E-02	0.00E+00	6.05E-03	0.00E+00	7.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	6.27E-05	3.84E-04
SFP	kg O ₃ eq.	2.91E+00	5.79E-01	5.91E-02	3.24E-01	0.00E+00	6.71E-02	0.00E+00	1.71E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-01	8.44E-04	4.36E-02
ODP	kg CFC-11 eq.	1.09E-06	3.39E-07	2.82E-08	7.48E-09	0.00E+00	2.40E-08	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	3.23E-11	7.54E-09
Resource use																
NRPR _E	MJ	5.72E+02	1.61E+02	2.53E+01	3.84E+00	0.00E+00	2.22E+01	0.00E+00	3.42E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+01	2.97E-02	6.38E+00
NRPR _M	kg	4.48E+00	1.58E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	0.00E+00	2.86E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.23E+01	1.14E+01	3.48E-01	2.40E-01	0.00E+00	9.16E+00	0.00E+00	2.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-02	8.58E-04	7.13E-02
RPR _M	kg	5.16E-02	1.69E-02	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	6.35E+02	1.87E+02	2.34E+01	4.31E+00	0.00E+00	1.93E+01	0.00E+00	3.84E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E+01	2.69E-02	5.92E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.61E-01	9.65E-02	3.45E-03	9.32E-04	0.00E+00	7.59E-02	0.00E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	6.55E-05	3.47E-03
Waste*																
HWD	kg	4.21E-01	1.61E-02	0.00E+00	2.36E-01	0.00E+00	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
NHWD	kg	1.90E+01	3.81E-02	0.00E+00	6.24E-02	0.00E+00	0.00E+00	0.00E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E+01
HLRW	m ³	2.17E-08	7.06E-09	2.90E-10	1.65E-10	0.00E+00	8.25E-10	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-11	5.28E-13	6.09E-11
ILLRW	m ³	1.18E-07	3.86E-08	1.50E-09	8.20E-10	0.00E+00	4.50E-09	0.00E+00	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-10	2.62E-12	3.17E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.56E-01	1.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GWP ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 17

System: Sikafloor® Morritex (smooth)

Application: Industrial

Reference flow over the service life (kg/m²): 4.34E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	8.93E+01	1.13E+01	1.71E+00	3.26E-01	0.00E+00	1.22E+00	0.00E+00	7.13E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+00	7.73E-01	7.65E-01
AP	kg SO ₂ eq.	3.39E-01	4.60E-02	3.54E-03	1.05E-03	0.00E+00	5.00E-03	0.00E+00	2.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-03	6.33E-05	3.82E-03
EP	kg N eq.	3.03E-01	4.03E-02	1.68E-03	2.48E-02	0.00E+00	6.05E-03	0.00E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.45E-04	8.88E-04
SFP	kg O ₃ eq.	6.55E+00	5.79E-01	5.91E-02	3.24E-01	0.00E+00	6.71E-02	0.00E+00	5.14E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-01	1.95E-03	1.01E-01
ODP	kg CFC-11 eq.	2.45E-06	3.39E-07	2.82E-08	7.58E-09	0.00E+00	2.40E-08	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	7.47E-11	1.74E-08
Resource use																
NRPR _E	MJ	1.28E+03	1.61E+02	2.53E+01	3.92E+00	0.00E+00	2.22E+01	0.00E+00	1.02E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E+01	6.88E-02	1.48E+01
NRPR _M	kg	1.02E+01	1.58E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	0.00E+00	8.58E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	8.47E+01	1.14E+01	3.48E-01	2.41E-01	0.00E+00	9.16E+00	0.00E+00	6.33E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.99E-03	1.65E-01
RPR _M	kg	1.20E-01	1.69E-02	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.43E+03	1.87E+02	2.34E+01	4.38E+00	0.00E+00	1.93E+01	0.00E+00	1.15E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E+01	6.22E-02	1.37E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	7.27E-01	9.65E-02	3.45E-03	-2.11E-04	0.00E+00	7.59E-02	0.00E+00	5.41E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	1.52E-04	8.03E-03
Waste*																
HWD	kg	9.71E-01	1.61E-02	0.00E+00	5.45E-01	0.00E+00	0.00E+00	0.00E+00	8.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-01	0.00E+00
NHWD	kg	4.40E+01	3.81E-02	0.00E+00	6.24E-02	0.00E+00	0.00E+00	0.00E+00	5.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E+01
HLRW	m³	4.84E-08	7.06E-09	2.90E-10	1.66E-10	0.00E+00	8.25E-10	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-10	1.22E-12	1.41E-10
ILLRW	m³	2.63E-07	3.86E-08	1.50E-09	8.25E-10	0.00E+00	4.50E-09	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-10	6.07E-12	7.33E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	3.39E-01	1.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 18

System: Sikafloor® Morritex (smooth)

Application: Industrial

Reference flow over the service life (kg/m²): 3.11E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	6.45E+01	1.13E+01	1.71E+00	3.11E-01	0.00E+00	1.22E+00	0.00E+00	4.75E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E+00	5.53E-01	5.48E-01
AP	kg SO ₂ eq.	2.45E-01	4.60E-02	3.54E-03	1.04E-03	0.00E+00	5.00E-03	0.00E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-03	4.53E-05	2.74E-03
EP	kg N eq.	2.20E-01	4.03E-02	1.68E-03	1.81E-02	0.00E+00	6.05E-03	0.00E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	1.04E-04	6.36E-04
SFP	kg O ₃ eq.	4.73E+00	5.79E-01	5.91E-02	3.24E-01	0.00E+00	6.71E-02	0.00E+00	3.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-01	1.40E-03	7.22E-02
ODP	kg CFC-11 eq.	1.77E-06	3.39E-07	2.82E-08	7.53E-09	0.00E+00	2.40E-08	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	5.35E-11	1.25E-08
Resource use																
NRPR _E	MJ	9.26E+02	1.61E+02	2.53E+01	3.88E+00	0.00E+00	2.22E+01	0.00E+00	6.83E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E+01	4.93E-02	1.06E+01
NRPR _M	kg	7.34E+00	1.58E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	0.00E+00	5.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	6.35E+01	1.14E+01	3.48E-01	2.41E-01	0.00E+00	9.16E+00	0.00E+00	4.22E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-02	1.42E-03	1.18E-01
RPR _M	kg	8.60E-02	1.69E-02	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.03E+03	1.87E+02	2.34E+01	4.34E+00	0.00E+00	1.93E+01	0.00E+00	7.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+01	4.45E-02	9.81E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	5.44E-01	9.65E-02	3.45E-03	3.61E-04	0.00E+00	7.59E-02	0.00E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.09E-04	5.75E-03
Waste*																
HWD	kg	6.96E-01	1.61E-02	0.00E+00	3.90E-01	0.00E+00	0.00E+00	0.00E+00	5.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-01	0.00E+00
NHWD	kg	3.15E+01	3.81E-02	0.00E+00	6.24E-02	0.00E+00	0.00E+00	0.00E+00	3.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E+01
HLRW	m ³	3.51E-08	7.06E-09	2.90E-10	1.65E-10	0.00E+00	8.25E-10	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-11	8.74E-13	1.01E-10
ILLRW	m ³	1.91E-07	3.86E-08	1.50E-09	8.22E-10	0.00E+00	4.50E-09	0.00E+00	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-10	4.34E-12	5.25E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.47E-01	1.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW _{P100})	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 19

System: Sikafloor® Morritex (broadcast)

Application: Commercial

Reference flow over the service life (kg/m²): 3.65E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.61E+01	1.17E+01	3.33E+00	3.90E-01	0.00E+00	1.22E+00	0.00E+00	1.68E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E+00	3.10E-01	6.43E-01
AP	kg SO ₂ eq.	1.23E-01	4.65E-02	6.89E-03	1.13E-03	0.00E+00	5.00E-03	0.00E+00	5.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-03	2.54E-05	3.21E-03
EP	kg N eq.	1.15E-01	3.92E-02	3.27E-03	2.75E-02	0.00E+00	6.05E-03	0.00E+00	3.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	5.83E-05	7.46E-04
SFP	kg O ₃ eq.	2.34E+00	5.99E-01	1.15E-01	3.06E-01	0.00E+00	6.71E-02	0.00E+00	9.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-01	7.85E-04	8.48E-02
ODP	kg CFC-11 eq.	8.22E-07	3.34E-07	5.48E-08	8.02E-09	0.00E+00	2.40E-08	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	3.00E-11	1.47E-08
Resource use																
NRPR _E	MJ	5.21E+02	1.67E+02	4.92E+01	4.54E+00	0.00E+00	2.22E+01	0.00E+00	2.43E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E+01	2.76E-02	1.24E+01
NRPR _M	kg	2.45E+00	1.48E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	0.00E+00	9.38E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.34E+01	1.16E+01	6.76E-01	2.53E-01	0.00E+00	9.16E+00	0.00E+00	1.14E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-01	7.97E-04	1.39E-01
RPR _M	kg	1.40E-01	4.32E-02	0.00E+00	8.64E-04	0.00E+00	0.00E+00	0.00E+00	9.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.39E+02	1.90E+02	4.56E+01	4.91E+00	0.00E+00	1.93E+01	0.00E+00	2.47E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E+01	2.50E-02	1.15E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.89E-01	9.91E-02	6.70E-03	-3.36E-04	0.00E+00	7.59E-02	0.00E+00	9.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	6.09E-05	6.75E-03
Waste*																
HWD	kg	7.55E-01	1.51E-02	0.00E+00	6.00E-01	0.00E+00	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-01	0.00E+00
NHWD	kg	3.67E+01	3.56E-02	0.00E+00	7.22E-02	0.00E+00	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E+01
HLRW	m³	1.45E-08	6.77E-09	5.64E-10	1.65E-10	0.00E+00	8.25E-10	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-11	4.90E-13	1.18E-10
ILLRW	m³	7.80E-08	3.69E-08	2.92E-09	8.21E-10	0.00E+00	4.50E-09	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-10	2.44E-12	6.17E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.45E-01	1.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GWP ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 20

System: Sikafloor® Morritex (broadcast)

Application: Commercial

Reference flow over the service life (kg/m²): 2.86E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.99E+01	1.17E+01	3.33E+00	3.78E-01	0.00E+00	1.22E+00	0.00E+00	1.12E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+00	2.43E-01	5.03E-01
AP	kg SO ₂ eq.	1.03E-01	4.65E-02	6.89E-03	1.12E-03	0.00E+00	5.00E-03	0.00E+00	3.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-03	1.99E-05	2.51E-03
EP	kg N eq.	9.62E-02	3.92E-02	3.27E-03	2.18E-02	0.00E+00	6.05E-03	0.00E+00	2.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	4.56E-05	5.84E-04
SFP	kg O ₃ eq.	1.96E+00	5.99E-01	1.15E-01	3.05E-01	0.00E+00	6.71E-02	0.00E+00	6.21E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-01	6.13E-04	6.63E-02
ODP	kg CFC-11 eq.	6.93E-07	3.34E-07	5.48E-08	7.98E-09	0.00E+00	2.40E-08	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	2.34E-11	1.15E-08
Resource use																
NRPR _E	MJ	4.32E+02	1.67E+02	4.92E+01	4.51E+00	0.00E+00	2.22E+01	0.00E+00	1.62E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E+01	2.16E-02	9.70E+00
NRPR _M	kg	2.14E+00	1.48E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	0.00E+00	6.25E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.95E+01	1.16E+01	6.76E-01	2.52E-01	0.00E+00	9.16E+00	0.00E+00	7.62E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-02	6.23E-04	1.09E-01
RPR _M	kg	1.08E-01	4.32E-02	0.00E+00	8.64E-04	0.00E+00	0.00E+00	0.00E+00	6.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.50E+02	1.90E+02	4.56E+01	4.88E+00	0.00E+00	1.93E+01	0.00E+00	1.65E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E+01	1.95E-02	9.01E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.54E-01	9.91E-02	6.70E-03	1.48E-04	0.00E+00	7.59E-02	0.00E+00	6.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	4.76E-05	5.28E-03
Waste*																
HWD	kg	5.92E-01	1.51E-02	0.00E+00	4.69E-01	0.00E+00	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-01	0.00E+00
NHWD	kg	2.87E+01	3.56E-02	0.00E+00	7.22E-02	0.00E+00	0.00E+00	0.00E+00	6.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E+01
HLRW	m ³	1.24E-08	6.77E-09	5.64E-10	1.64E-10	0.00E+00	8.25E-10	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-11	3.83E-13	9.26E-11
ILLRW	m ³	6.72E-08	3.69E-08	2.92E-09	8.19E-10	0.00E+00	4.50E-09	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-10	1.90E-12	4.82E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.16E-01	1.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 21

System: Sika[®] Morritlex (broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 6.04E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	5.47E+01	1.17E+01	3.33E+00	4.28E-01	0.00E+00	1.22E+00	0.00E+00	3.37E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E+00	5.14E-01	1.06E+00
AP	kg SO ₂ eq.	1.82E-01	4.65E-02	6.89E-03	1.16E-03	0.00E+00	5.00E-03	0.00E+00	1.04E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-02	4.21E-05	5.32E-03
EP	kg N eq.	1.70E-01	3.92E-02	3.27E-03	4.47E-02	0.00E+00	6.05E-03	0.00E+00	7.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	9.65E-05	1.24E-03
SFP	kg O ₃ eq.	3.49E+00	5.99E-01	1.15E-01	3.06E-01	0.00E+00	6.71E-02	0.00E+00	1.86E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-01	1.30E-03	1.40E-01
ODP	kg CFC-11 eq.	1.21E-06	3.34E-07	5.48E-08	8.14E-09	0.00E+00	2.40E-08	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	4.96E-11	2.43E-08
Resource use																
NRPR _E	MJ	7.87E+02	1.67E+02	4.92E+01	4.65E+00	0.00E+00	2.22E+01	0.00E+00	4.85E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E+01	4.57E-02	2.05E+01
NRPR _M	kg	3.39E+00	1.48E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	0.00E+00	1.88E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.49E+01	1.16E+01	6.76E-01	2.54E-01	0.00E+00	9.16E+00	0.00E+00	2.29E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-01	1.32E-03	2.30E-01
RPR _M	kg	2.36E-01	4.32E-02	0.00E+00	8.64E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	8.08E+02	1.90E+02	4.56E+01	5.00E+00	0.00E+00	1.93E+01	0.00E+00	4.94E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E+01	4.13E-02	1.91E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.92E-01	9.91E-02	6.70E-03	-1.79E-03	0.00E+00	7.59E-02	0.00E+00	1.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	1.01E-04	1.12E-02
Waste*																
HWD	kg	1.24E+00	1.51E-02	0.00E+00	9.93E-01	0.00E+00	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-01	0.00E+00
NHWD	kg	6.07E+01	3.56E-02	0.00E+00	7.22E-02	0.00E+00	0.00E+00	0.00E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E+01
HLRW	m ³	2.05E-08	6.77E-09	5.64E-10	1.66E-10	0.00E+00	8.25E-10	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-10	8.11E-13	1.96E-10
ILLRW	m ³	1.11E-07	3.69E-08	2.92E-09	8.27E-10	0.00E+00	4.50E-09	0.00E+00	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-10	4.03E-12	1.02E-09
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.30E-01	1.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 22

System: Sikafloor® Morritex (broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 4.45E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	4.23E+01	1.17E+01	3.33E+00	4.03E-01	0.00E+00	1.22E+00	0.00E+00	2.25E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+00	3.78E-01	7.83E-01
AP	kg SO ₂ eq.	1.43E-01	4.65E-02	6.89E-03	1.14E-03	0.00E+00	5.00E-03	0.00E+00	6.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-03	3.10E-05	3.91E-03
EP	kg N eq.	1.33E-01	3.92E-02	3.27E-03	3.32E-02	0.00E+00	6.05E-03	0.00E+00	4.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	7.10E-05	9.09E-04
SFP	kg O ₃ eq.	2.72E+00	5.99E-01	1.15E-01	3.06E-01	0.00E+00	6.71E-02	0.00E+00	1.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-01	9.56E-04	1.03E-01
ODP	kg CFC-11 eq.	9.51E-07	3.34E-07	5.48E-08	8.06E-09	0.00E+00	2.40E-08	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-08	3.65E-11	1.79E-08
Resource use																
NRPR _E	MJ	6.09E+02	1.67E+02	4.92E+01	4.58E+00	0.00E+00	2.22E+01	0.00E+00	3.23E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E+01	3.37E-02	1.51E+01
NRPR _M	kg	2.76E+00	1.48E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.72E+01	1.16E+01	6.76E-01	2.53E-01	0.00E+00	9.16E+00	0.00E+00	1.52E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-01	9.71E-04	1.69E-01
RPR _M	kg	1.72E-01	4.32E-02	0.00E+00	8.64E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	6.29E+02	1.90E+02	4.56E+01	4.94E+00	0.00E+00	1.93E+01	0.00E+00	3.29E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E+01	3.04E-02	1.40E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.23E-01	9.91E-02	6.70E-03	-8.20E-04	0.00E+00	7.59E-02	0.00E+00	1.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	7.42E-05	8.23E-03
Waste*																
HWD	kg	9.17E-01	1.51E-02	0.00E+00	7.31E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-01	0.00E+00
NHWD	kg	4.47E+01	3.56E-02	0.00E+00	7.22E-02	0.00E+00	0.00E+00	0.00E+00	1.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E+01
HLRW	m³	1.65E-08	6.77E-09	5.64E-10	1.65E-10	0.00E+00	8.25E-10	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-10	5.97E-13	1.44E-10
ILLRW	m³	8.89E-08	3.69E-08	2.92E-09	8.23E-10	0.00E+00	4.50E-09	0.00E+00	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-10	2.97E-12	7.51E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.73E-01	1.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 23

System: Sika[®] Morrutex (trowel)

Application: Commercial

Reference flow over the service life (kg/m²): 1.85E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.10E+01	1.93E+01	4.38E+00	5.52E-01	0.00E+00	1.22E+00	0.00E+00	4.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-01	3.04E-02	3.09E-01
AP	kg SO ₂ eq.	1.17E-01	7.84E-02	9.08E-03	1.81E-03	0.00E+00	5.00E-03	0.00E+00	1.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03	2.49E-06	1.54E-03
EP	kg N eq.	1.07E-01	6.31E-02	4.30E-03	1.67E-02	0.00E+00	6.05E-03	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	5.70E-06	3.58E-04
SFP	kg O ₃ eq.	1.91E+00	9.65E-01	1.51E-01	2.27E-01	0.00E+00	6.71E-02	0.00E+00	3.41E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-01	7.67E-05	4.07E-02
ODP	kg CFC-11 eq.	8.25E-07	5.63E-07	7.22E-08	1.29E-08	0.00E+00	2.40E-08	0.00E+00	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.93E-12	7.04E-09
Resource use																
NRPR _E	MJ	4.47E+02	2.73E+02	6.48E+01	6.92E+00	0.00E+00	2.22E+01	0.00E+00	6.31E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E+01	2.70E-03	5.96E+00
NRPR _M	kg	3.03E+00	2.36E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	6.25E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.05E+01	2.55E+01	8.91E-01	5.37E-01	0.00E+00	9.16E+00	0.00E+00	4.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-02	7.80E-05	6.66E-02
RPR _M	kg	6.08E-02	5.96E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.82E+02	3.06E+02	6.00E+01	7.48E+00	0.00E+00	1.93E+01	0.00E+00	7.33E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+01	2.44E-03	5.53E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.38E-01	2.10E-01	8.83E-03	2.83E-03	0.00E+00	7.59E-02	0.00E+00	3.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	5.96E-06	3.24E-03
Waste*																
HWD	kg	4.34E-01	7.54E-02	0.00E+00	3.39E-01	0.00E+00	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-02	0.00E+00
NHWD	kg	1.81E+01	4.58E-01	0.00E+00	1.05E-01	0.00E+00	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E+01
HLRW	m ³	1.79E-08	1.31E-08	7.43E-10	3.01E-10	0.00E+00	8.25E-10	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-11	4.80E-14	5.68E-11
ILLRW	m ³	9.15E-08	6.62E-08	3.84E-09	1.43E-09	0.00E+00	4.50E-09	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-10	2.38E-13	2.96E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.56E-01	4.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.81E-02	7.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GWP ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 24

System: Sikafloor® Morritex (trowel)

Application: Commercial

Reference flow over the service life (kg/m²): 1.80E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 60 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.88E+01	1.93E+01	4.38E+00	5.51E-01	0.00E+00	1.22E+00	0.00E+00	2.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-01	2.96E-02	3.00E-01
AP	kg SO ₂ eq.	1.08E-01	7.84E-02	9.08E-03	1.80E-03	0.00E+00	5.00E-03	0.00E+00	8.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03	2.42E-06	1.50E-03
EP	kg N eq.	9.83E-02	6.31E-02	4.30E-03	1.63E-02	0.00E+00	6.05E-03	0.00E+00	7.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	5.55E-06	3.49E-04
SFP	kg O ₃ eq.	1.73E+00	9.65E-01	1.51E-01	2.27E-01	0.00E+00	6.71E-02	0.00E+00	1.71E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-01	7.47E-05	3.96E-02
ODP	kg CFC-11 eq.	7.58E-07	5.63E-07	7.22E-08	1.29E-08	0.00E+00	2.40E-08	0.00E+00	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.86E-12	6.85E-09
Resource use																
NRPR _E	MJ	4.15E+02	2.73E+02	6.48E+01	6.92E+00	0.00E+00	2.22E+01	0.00E+00	3.15E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E+01	2.63E-03	5.80E+00
NRPR _M	kg	2.72E+00	2.36E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	3.13E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.84E+01	2.55E+01	8.91E-01	5.37E-01	0.00E+00	9.16E+00	0.00E+00	2.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-02	7.59E-05	6.49E-02
RPR _M	kg	6.08E-02	5.96E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.45E+02	3.06E+02	6.00E+01	7.48E+00	0.00E+00	1.93E+01	0.00E+00	3.66E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+01	2.38E-03	5.38E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.20E-01	2.10E-01	8.83E-03	2.86E-03	0.00E+00	7.59E-02	0.00E+00	1.79E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	5.80E-06	3.16E-03
Waste*																
HWD	kg	4.21E-01	7.54E-02	0.00E+00	3.30E-01	0.00E+00	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-02	0.00E+00
NHWD	kg	1.76E+01	4.58E-01	0.00E+00	1.05E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+01
HLRW	m³	1.65E-08	1.31E-08	7.43E-10	3.01E-10	0.00E+00	8.25E-10	0.00E+00	1.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-11	4.67E-14	5.53E-11
ILLRW	m³	8.40E-08	6.62E-08	3.84E-09	1.43E-09	0.00E+00	4.50E-09	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-10	2.32E-13	2.88E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.56E-01	4.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.78E-02	7.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 25

System: Sika[®] Morritlex (trowel)

Application: Industrial

Reference flow over the service life (kg/m²): 1.90E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.33E+01	1.93E+01	4.38E+00	5.53E-01	0.00E+00	1.22E+00	0.00E+00	6.58E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-01	3.12E-02	3.17E-01
AP	kg SO ₂ eq.	1.26E-01	7.84E-02	9.08E-03	1.81E-03	0.00E+00	5.00E-03	0.00E+00	2.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03	2.55E-06	1.58E-03
EP	kg N eq.	1.15E-01	6.31E-02	4.30E-03	1.71E-02	0.00E+00	6.05E-03	0.00E+00	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	5.85E-06	3.68E-04
SFP	kg O ₃ eq.	2.08E+00	9.65E-01	1.51E-01	2.27E-01	0.00E+00	6.71E-02	0.00E+00	5.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-01	7.88E-05	4.18E-02
ODP	kg CFC-11 eq.	8.93E-07	5.63E-07	7.22E-08	1.29E-08	0.00E+00	2.40E-08	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.01E-12	7.22E-09
Resource use																
NRPR _E	MJ	4.78E+02	2.73E+02	6.48E+01	6.92E+00	0.00E+00	2.22E+01	0.00E+00	9.46E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+01	2.77E-03	6.12E+00
NRPR _M	kg	3.35E+00	2.36E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	9.38E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.26E+01	2.55E+01	8.91E-01	5.37E-01	0.00E+00	9.16E+00	0.00E+00	6.31E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-02	8.00E-05	6.84E-02
RPR _M	kg	6.08E-02	5.96E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.19E+02	3.06E+02	6.00E+01	7.48E+00	0.00E+00	1.93E+01	0.00E+00	1.10E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E+01	2.51E-03	5.68E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.56E-01	2.10E-01	8.83E-03	2.79E-03	0.00E+00	7.59E-02	0.00E+00	5.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	6.11E-06	3.33E-03
Waste*																
HWD	kg	4.46E-01	7.54E-02	0.00E+00	3.48E-01	0.00E+00	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	0.00E+00
NHWD	kg	1.86E+01	4.58E-01	0.00E+00	1.05E-01	0.00E+00	0.00E+00	0.00E+00	5.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E+01
HLRW	m ³	1.92E-08	1.31E-08	7.43E-10	3.01E-10	0.00E+00	8.25E-10	0.00E+00	4.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-11	4.92E-14	5.83E-11
ILLRW	m ³	9.91E-08	6.62E-08	3.84E-09	1.43E-09	0.00E+00	4.50E-09	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-10	2.45E-13	3.04E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.56E-01	4.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.85E-02	7.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 26

System: Sikafloor® Morritex (trowel)

Application: Industrial

Reference flow over the service life (kg/m²): 1.85E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.10E+01	1.93E+01	4.38E+00	5.52E-01	0.00E+00	1.22E+00	0.00E+00	4.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-01	3.04E-02	3.09E-01
AP	kg SO ₂ eq.	1.17E-01	7.84E-02	9.08E-03	1.81E-03	0.00E+00	5.00E-03	0.00E+00	1.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03	2.49E-06	1.54E-03
EP	kg N eq.	1.07E-01	6.31E-02	4.30E-03	1.67E-02	0.00E+00	6.05E-03	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	5.70E-06	3.58E-04
SFP	kg O ₃ eq.	1.91E+00	9.65E-01	1.51E-01	2.27E-01	0.00E+00	6.71E-02	0.00E+00	3.41E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-01	7.67E-05	4.07E-02
ODP	kg CFC-11 eq.	8.25E-07	5.63E-07	7.22E-08	1.29E-08	0.00E+00	2.40E-08	0.00E+00	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.93E-12	7.04E-09
Resource use																
NRPR _E	MJ	4.47E+02	2.73E+02	6.48E+01	6.92E+00	0.00E+00	2.22E+01	0.00E+00	6.31E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E+01	2.70E-03	5.96E+00
NRPR _M	kg	3.03E+00	2.36E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	6.25E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.05E+01	2.55E+01	8.91E-01	5.37E-01	0.00E+00	9.16E+00	0.00E+00	4.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-02	7.80E-05	6.66E-02
RPR _M	kg	6.08E-02	5.96E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.82E+02	3.06E+02	6.00E+01	7.48E+00	0.00E+00	1.93E+01	0.00E+00	7.33E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+01	2.44E-03	5.53E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.38E-01	2.10E-01	8.83E-03	2.83E-03	0.00E+00	7.59E-02	0.00E+00	3.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	5.96E-06	3.24E-03
Waste*																
HWD	kg	4.34E-01	7.54E-02	0.00E+00	3.39E-01	0.00E+00	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-02	0.00E+00
NHWD	kg	1.81E+01	4.58E-01	0.00E+00	1.05E-01	0.00E+00	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E+01
HLRW	m³	1.79E-08	1.31E-08	7.43E-10	3.01E-10	0.00E+00	8.25E-10	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-11	4.80E-14	5.68E-11
ILLRW	m³	9.15E-08	6.62E-08	3.84E-09	1.43E-09	0.00E+00	4.50E-09	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-10	2.38E-13	2.96E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.56E-01	4.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.81E-02	7.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 27

System: Sikafloor® Ucrete®

Application: Commercial

Reference flow over the service life (kg/m²): 2.07E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.68E+01	2.33E+01	5.22E+00	7.19E-01	0.00E+00	1.22E+00	0.00E+00	4.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-01	5.62E-01	3.51E-01
AP	kg SO ₂ eq.	1.24E-01	8.44E-02	1.08E-02	2.05E-03	0.00E+00	5.00E-03	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-03	4.60E-05	1.75E-03
EP	kg N eq.	1.42E-01	7.14E-02	5.11E-03	3.63E-02	0.00E+00	6.05E-03	0.00E+00	2.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.05E-04	4.07E-04
SFP	kg O ₃ eq.	1.79E+00	1.01E+00	1.80E-01	1.63E-01	0.00E+00	6.71E-02	0.00E+00	1.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-01	1.42E-03	4.63E-02
ODP	kg CFC-11 eq.	7.23E-07	4.74E-07	8.60E-08	1.17E-08	0.00E+00	2.40E-08	0.00E+00	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	5.43E-11	8.00E-09
Resource use																
NRPR _E	MJ	4.46E+02	2.65E+02	7.72E+01	7.28E+00	0.00E+00	2.22E+01	0.00E+00	5.41E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+01	5.00E-02	6.77E+00
NRPR _M	kg	3.22E+00	2.51E+00	0.00E+00	5.03E-02	0.00E+00	0.00E+00	0.00E+00	6.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.04E+01	2.54E+01	1.06E+00	5.40E-01	0.00E+00	9.16E+00	0.00E+00	4.05E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-02	1.44E-03	7.58E-02
RPR _M	kg	8.51E-01	7.11E-01	0.00E+00	1.42E-02	0.00E+00	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.02E+02	3.15E+02	7.16E+01	8.13E+00	0.00E+00	1.93E+01	0.00E+00	7.01E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E+01	4.52E-02	6.29E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.01E-01	1.80E-01	1.05E-02	1.36E-03	0.00E+00	7.59E-02	0.00E+00	2.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.10E-04	3.69E-03
Waste*																
HWD	kg	4.19E-01	1.74E-02	0.00E+00	1.64E-01	0.00E+00	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-01	0.00E+00
NHWD	kg	2.09E+01	3.28E-01	0.00E+00	5.20E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E+01
HLRW	m³	1.54E-08	1.11E-08	8.83E-10	2.65E-10	0.00E+00	8.25E-10	0.00E+00	2.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-11	8.87E-13	6.46E-11
ILLRW	m³	7.10E-08	5.00E-08	4.56E-09	1.13E-09	0.00E+00	4.50E-09	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-10	4.41E-12	3.37E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.06E-01	4.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.52E-01	1.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 28

System: Sikafloor® Ucrete®

Application: Commercial

Reference flow over the service life (kg/m²): 2.02E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 60 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.45E+01	2.33E+01	5.22E+00	7.18E-01	0.00E+00	1.22E+00	0.00E+00	2.27E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-01	5.50E-01	3.43E-01
AP	kg SO ₂ eq.	1.16E-01	8.44E-02	1.08E-02	2.05E-03	0.00E+00	5.00E-03	0.00E+00	7.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03	4.50E-05	1.72E-03
EP	kg N eq.	1.31E-01	7.14E-02	5.11E-03	3.61E-02	0.00E+00	6.05E-03	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	1.03E-04	3.99E-04
SFP	kg O ₃ eq.	1.69E+00	1.01E+00	1.80E-01	1.63E-01	0.00E+00	6.71E-02	0.00E+00	9.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-01	1.39E-03	4.53E-02
ODP	kg CFC-11 eq.	6.70E-07	4.74E-07	8.60E-08	1.17E-08	0.00E+00	2.40E-08	0.00E+00	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	5.31E-11	7.83E-09
Resource use																
NRPR _E	MJ	4.18E+02	2.65E+02	7.72E+01	7.28E+00	0.00E+00	2.22E+01	0.00E+00	2.70E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E+01	4.89E-02	6.63E+00
NRPR _M	kg	2.89E+00	2.51E+00	0.00E+00	5.03E-02	0.00E+00	0.00E+00	0.00E+00	3.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.83E+01	2.54E+01	1.06E+00	5.40E-01	0.00E+00	9.16E+00	0.00E+00	2.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-02	1.41E-03	7.41E-02
RPR _M	kg	7.88E-01	7.11E-01	0.00E+00	1.42E-02	0.00E+00	0.00E+00	0.00E+00	6.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.67E+02	3.15E+02	7.16E+01	8.13E+00	0.00E+00	1.93E+01	0.00E+00	3.51E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E+01	4.42E-02	6.15E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.87E-01	1.80E-01	1.05E-02	1.37E-03	0.00E+00	7.59E-02	0.00E+00	1.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.08E-04	3.61E-03
Waste*																
HWD	kg	4.09E-01	1.74E-02	0.00E+00	1.60E-01	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-01	0.00E+00
NHWD	kg	2.04E+01	3.28E-01	0.00E+00	5.20E-01	0.00E+00	0.00E+00	0.00E+00	8.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HLRW	m ³	1.43E-08	1.11E-08	8.83E-10	2.65E-10	0.00E+00	8.25E-10	0.00E+00	1.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-11	8.68E-13	6.32E-11
ILLRW	m ³	6.59E-08	5.00E-08	4.56E-09	1.13E-09	0.00E+00	4.50E-09	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-10	4.31E-12	3.29E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.06E-01	4.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.47E-01	1.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 29

System: Sika[®] Ucrete[®]

Application: Industrial

Reference flow over the service life (kg/m²): 2.11E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.91E+01	2.33E+01	5.22E+00	7.19E-01	0.00E+00	1.22E+00	0.00E+00	6.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-01	5.74E-01	3.58E-01
AP	kg SO ₂ eq.	1.32E-01	8.44E-02	1.08E-02	2.05E-03	0.00E+00	5.00E-03	0.00E+00	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-03	4.70E-05	1.79E-03
EP	kg N eq.	1.53E-01	7.14E-02	5.11E-03	3.64E-02	0.00E+00	6.05E-03	0.00E+00	3.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	1.08E-04	4.16E-04
SFP	kg O ₃ eq.	1.89E+00	1.01E+00	1.80E-01	1.63E-01	0.00E+00	6.71E-02	0.00E+00	2.93E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-01	1.45E-03	4.72E-02
ODP	kg CFC-11 eq.	7.77E-07	4.74E-07	8.60E-08	1.17E-08	0.00E+00	2.40E-08	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	5.54E-11	8.17E-09
Resource use																
NRPR _E	MJ	4.73E+02	2.65E+02	7.72E+01	7.28E+00	0.00E+00	2.22E+01	0.00E+00	8.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+01	5.11E-02	6.92E+00
NRPR _M	kg	3.55E+00	2.51E+00	0.00E+00	5.03E-02	0.00E+00	0.00E+00	0.00E+00	9.90E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.24E+01	2.54E+01	1.06E+00	5.40E-01	0.00E+00	9.16E+00	0.00E+00	6.08E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-02	1.47E-03	7.74E-02
RPR _M	kg	9.14E-01	7.11E-01	0.00E+00	1.42E-02	0.00E+00	0.00E+00	0.00E+00	1.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.38E+02	3.15E+02	7.16E+01	8.13E+00	0.00E+00	1.93E+01	0.00E+00	1.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E+01	4.61E-02	6.42E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.16E-01	1.80E-01	1.05E-02	1.35E-03	0.00E+00	7.59E-02	0.00E+00	4.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.13E-04	3.76E-03
Waste*																
HWD	kg	4.28E-01	1.74E-02	0.00E+00	1.67E-01	0.00E+00	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-01	0.00E+00
NHWD	kg	2.14E+01	3.28E-01	0.00E+00	5.20E-01	0.00E+00	0.00E+00	0.00E+00	2.42E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+01
HLRW	m ³	1.65E-08	1.11E-08	8.83E-10	2.65E-10	0.00E+00	8.25E-10	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-11	9.06E-13	6.60E-11
ILLRW	m ³	7.61E-08	5.00E-08	4.56E-09	1.13E-09	0.00E+00	4.50E-09	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-10	4.50E-12	3.44E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.06E-01	4.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.57E-01	1.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 30

System: Sika[®] Ucrete[®]

Application: Industrial

Reference flow over the service life (kg/m²): 2.07E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.68E+01	2.33E+01	5.22E+00	7.19E-01	0.00E+00	1.22E+00	0.00E+00	4.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-01	5.62E-01	3.51E-01
AP	kg SO ₂ eq.	1.24E-01	8.44E-02	1.08E-02	2.05E-03	0.00E+00	5.00E-03	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-03	4.60E-05	1.75E-03
EP	kg N eq.	1.42E-01	7.14E-02	5.11E-03	3.63E-02	0.00E+00	6.05E-03	0.00E+00	2.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.05E-04	4.07E-04
SFP	kg O ₃ eq.	1.79E+00	1.01E+00	1.80E-01	1.63E-01	0.00E+00	6.71E-02	0.00E+00	1.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-01	1.42E-03	4.63E-02
ODP	kg CFC-11 eq.	7.23E-07	4.74E-07	8.60E-08	1.17E-08	0.00E+00	2.40E-08	0.00E+00	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	5.43E-11	8.00E-09
Resource use																
NRPR _E	MJ	4.46E+02	2.65E+02	7.72E+01	7.28E+00	0.00E+00	2.22E+01	0.00E+00	5.41E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+01	5.00E-02	6.77E+00
NRPR _M	kg	3.22E+00	2.51E+00	0.00E+00	5.03E-02	0.00E+00	0.00E+00	0.00E+00	6.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.04E+01	2.54E+01	1.06E+00	5.40E-01	0.00E+00	9.16E+00	0.00E+00	4.05E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-02	1.44E-03	7.58E-02
RPR _M	kg	8.51E-01	7.11E-01	0.00E+00	1.42E-02	0.00E+00	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.02E+02	3.15E+02	7.16E+01	8.13E+00	0.00E+00	1.93E+01	0.00E+00	7.01E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E+01	4.52E-02	6.29E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.01E-01	1.80E-01	1.05E-02	1.36E-03	0.00E+00	7.59E-02	0.00E+00	2.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.10E-04	3.69E-03
Waste*																
HWD	kg	4.19E-01	1.74E-02	0.00E+00	1.64E-01	0.00E+00	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-01	0.00E+00
NHWD	kg	2.09E+01	3.28E-01	0.00E+00	5.20E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E+01
HLRW	m ³	1.54E-08	1.11E-08	8.83E-10	2.65E-10	0.00E+00	8.25E-10	0.00E+00	2.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-11	8.87E-13	6.46E-11
ILLRW	m ³	7.10E-08	5.00E-08	4.56E-09	1.13E-09	0.00E+00	4.50E-09	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-10	4.41E-12	3.37E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	4.06E-01	4.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.52E-01	1.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 31

System: Sikafloor® Quartzite® (broadcast)

Application: Commercial

Reference flow over the service life (kg/m²): 2.04E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.04E+02	3.09E+01	3.04E+00	7.30E-01	0.00E+00	1.22E+00	0.00E+00	6.66E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-01	2.70E-01	3.57E-01
AP	kg SO ₂ eq.	3.96E-01	1.19E-01	6.29E-03	2.59E-03	0.00E+00	5.00E-03	0.00E+00	2.57E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-03	2.22E-05	1.78E-03
EP	kg N eq.	3.64E-01	1.08E-01	2.98E-03	1.09E-02	0.00E+00	6.05E-03	0.00E+00	2.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	5.08E-05	4.14E-04
SFP	kg O ₃ eq.	6.95E+00	1.53E+00	1.05E-01	5.48E-01	0.00E+00	6.71E-02	0.00E+00	4.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-01	6.84E-04	4.70E-02
ODP	kg CFC-11 eq.	3.08E-06	9.46E-07	5.00E-08	2.02E-08	0.00E+00	2.40E-08	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.61E-11	8.14E-09
Resource use																
NRPR _E	MJ	1.50E+03	4.44E+02	4.49E+01	1.01E+01	0.00E+00	2.22E+01	0.00E+00	9.60E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+01	2.41E-02	6.89E+00
NRPR _M	kg	1.38E+01	4.41E+00	0.00E+00	8.81E-02	0.00E+00	0.00E+00	0.00E+00	9.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.04E+02	3.14E+01	6.16E-01	6.68E-01	0.00E+00	9.16E+00	0.00E+00	6.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-02	6.95E-04	7.70E-02
RPR _M	kg	2.98E-02	2.92E-02	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.70E+03	5.12E+02	4.16E+01	1.13E+01	0.00E+00	1.93E+01	0.00E+00	1.10E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E+01	2.18E-02	6.39E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	8.07E-01	2.41E-01	6.11E-03	3.66E-03	0.00E+00	7.59E-02	0.00E+00	4.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	5.31E-05	3.75E-03
Waste*																
HWD	kg	4.35E-01	6.75E-02	0.00E+00	1.92E-01	0.00E+00	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-01	0.00E+00
NHWD	kg	2.13E+01	1.32E-01	0.00E+00	3.12E-01	0.00E+00	0.00E+00	0.00E+00	6.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E+01
HLRW	m ³	6.74E-08	2.08E-08	5.14E-10	5.18E-10	0.00E+00	8.25E-10	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-11	4.27E-13	6.57E-11
ILLRW	m ³	3.74E-07	1.15E-07	2.66E-09	2.42E-09	0.00E+00	4.50E-09	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-10	2.12E-12	3.42E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.81E-01	6.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 32

System: Sikafloor® Quartzite® (broadcast)

Application: Commercial

Reference flow over the service life (kg/m²): 1.74E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	8.16E+01	3.09E+01	3.04E+00	7.27E-01	0.00E+00	1.22E+00	0.00E+00	4.44E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-01	2.30E-01	3.04E-01
AP	kg SO ₂ eq.	3.09E-01	1.19E-01	6.29E-03	2.59E-03	0.00E+00	5.00E-03	0.00E+00	1.71E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-03	1.89E-05	1.52E-03
EP	kg N eq.	2.84E-01	1.08E-01	2.98E-03	9.65E-03	0.00E+00	6.05E-03	0.00E+00	1.57E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	4.33E-05	3.53E-04
SFP	kg O ₃ eq.	5.42E+00	1.53E+00	1.05E-01	5.48E-01	0.00E+00	6.71E-02	0.00E+00	3.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-01	5.82E-04	4.01E-02
ODP	kg CFC-11 eq.	2.41E-06	9.46E-07	5.00E-08	2.02E-08	0.00E+00	2.40E-08	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.23E-11	6.93E-09
Resource use																
NRPR _E	MJ	1.18E+03	4.44E+02	4.49E+01	1.01E+01	0.00E+00	2.22E+01	0.00E+00	6.40E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E+01	2.05E-02	5.87E+00
NRPR _M	kg	1.07E+01	4.41E+00	0.00E+00	8.81E-02	0.00E+00	0.00E+00	0.00E+00	6.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	8.32E+01	3.14E+01	6.16E-01	6.68E-01	0.00E+00	9.16E+00	0.00E+00	4.12E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-02	5.92E-04	6.56E-02
RPR _M	kg	2.98E-02	2.92E-02	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.33E+03	5.12E+02	4.16E+01	1.13E+01	0.00E+00	1.93E+01	0.00E+00	7.33E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E+01	1.85E-02	5.44E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	6.48E-01	2.41E-01	6.11E-03	3.76E-03	0.00E+00	7.59E-02	0.00E+00	3.17E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	4.52E-05	3.19E-03
Waste*																
HWD	kg	3.69E-01	6.75E-02	0.00E+00	1.64E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-02	0.00E+00
NHWD	kg	1.81E+01	1.32E-01	0.00E+00	2.97E-01	0.00E+00	0.00E+00	0.00E+00	4.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E+01
HLRW	m ³	5.25E-08	2.08E-08	5.14E-10	5.18E-10	0.00E+00	8.25E-10	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-11	3.64E-13	5.60E-11
ILLRW	m ³	2.91E-07	1.15E-07	2.66E-09	2.42E-09	0.00E+00	4.50E-09	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-10	1.81E-12	2.91E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.64E-01	6.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW _{P100})
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 33

System: Sikafloor® Quartzite® (broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 2.94E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.71E+02	3.09E+01	3.04E+00	7.39E-01	0.00E+00	1.22E+00	0.00E+00	1.33E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E+00	3.91E-01	5.15E-01
AP	kg SO ₂ eq.	6.55E-01	1.19E-01	6.29E-03	2.60E-03	0.00E+00	5.00E-03	0.00E+00	5.13E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-03	3.20E-05	2.58E-03
EP	kg N eq.	6.03E-01	1.08E-01	2.98E-03	1.46E-02	0.00E+00	6.05E-03	0.00E+00	4.71E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	7.34E-05	5.98E-04
SFP	kg O ₃ eq.	1.15E+01	1.53E+00	1.05E-01	5.48E-01	0.00E+00	6.71E-02	0.00E+00	9.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-01	9.88E-04	6.79E-02
ODP	kg CFC-11 eq.	5.12E-06	9.46E-07	5.00E-08	2.03E-08	0.00E+00	2.40E-08	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.78E-11	1.18E-08
Resource use																
NRPR _E	MJ	2.47E+03	4.44E+02	4.49E+01	1.01E+01	0.00E+00	2.22E+01	0.00E+00	1.92E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E+01	3.48E-02	9.95E+00
NRPR _M	kg	2.31E+01	4.41E+00	0.00E+00	8.81E-02	0.00E+00	0.00E+00	0.00E+00	1.86E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.66E+02	3.14E+01	6.16E-01	6.69E-01	0.00E+00	9.16E+00	0.00E+00	1.23E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-02	1.00E-03	1.11E-01
RPR _M	kg	2.98E-02	2.92E-02	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.81E+03	5.12E+02	4.16E+01	1.14E+01	0.00E+00	1.93E+01	0.00E+00	2.20E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E+01	3.14E-02	9.23E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	1.28E+00	2.41E-01	6.11E-03	3.35E-03	0.00E+00	7.59E-02	0.00E+00	9.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-04	7.67E-05	5.41E-03
Waste*																
HWD	kg	6.32E-01	6.75E-02	0.00E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	1.24E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-01	0.00E+00
NHWD	kg	3.10E+01	1.32E-01	0.00E+00	3.57E-01	0.00E+00	0.00E+00	0.00E+00	1.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E+01
HLRW	m³	1.12E-07	2.08E-08	5.14E-10	5.18E-10	0.00E+00	8.25E-10	0.00E+00	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-11	6.17E-13	9.49E-11
ILLRW	m³	6.24E-07	1.15E-07	2.66E-09	2.43E-09	0.00E+00	4.50E-09	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-10	3.07E-12	4.94E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.31E-01	6.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 34

System: Sikafloor® Quartzite® (broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 2.34E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.26E+02	3.09E+01	3.04E+00	7.33E-01	0.00E+00	1.22E+00	0.00E+00	8.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E+00	3.11E-01	4.10E-01
AP	kg SO ₂ eq.	4.82E-01	1.19E-01	6.29E-03	2.59E-03	0.00E+00	5.00E-03	0.00E+00	3.42E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-03	2.54E-05	2.05E-03
EP	kg N eq.	4.44E-01	1.08E-01	2.98E-03	1.21E-02	0.00E+00	6.05E-03	0.00E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	5.83E-05	4.76E-04
SFP	kg O ₃ eq.	8.48E+00	1.53E+00	1.05E-01	5.48E-01	0.00E+00	6.71E-02	0.00E+00	6.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-01	7.85E-04	5.40E-02
ODP	kg CFC-11 eq.	3.76E-06	9.46E-07	5.00E-08	2.02E-08	0.00E+00	2.40E-08	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.00E-11	9.34E-09
Resource use																
NRPR _E	MJ	1.82E+03	4.44E+02	4.49E+01	1.01E+01	0.00E+00	2.22E+01	0.00E+00	1.28E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E+01	2.76E-02	7.91E+00
NRPR _M	kg	1.69E+01	4.41E+00	0.00E+00	8.81E-02	0.00E+00	0.00E+00	0.00E+00	1.24E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.24E+02	3.14E+01	6.16E-01	6.69E-01	0.00E+00	9.16E+00	0.00E+00	8.23E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-02	7.98E-04	8.84E-02
RPR _M	kg	2.98E-02	2.92E-02	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.07E+03	5.12E+02	4.16E+01	1.13E+01	0.00E+00	1.93E+01	0.00E+00	1.47E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E+01	2.50E-02	7.34E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	9.66E-01	2.41E-01	6.11E-03	3.56E-03	0.00E+00	7.59E-02	0.00E+00	6.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	6.09E-05	4.30E-03
Waste*																
HWD	kg	5.00E-01	6.75E-02	0.00E+00	2.21E-01	0.00E+00	0.00E+00	0.00E+00	8.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-01	0.00E+00
NHWD	kg	2.45E+01	1.32E-01	0.00E+00	3.27E-01	0.00E+00	0.00E+00	0.00E+00	8.17E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E+01
HLRW	m³	8.23E-08	2.08E-08	5.14E-10	5.18E-10	0.00E+00	8.25E-10	0.00E+00	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-11	4.91E-13	7.54E-11
ILLRW	m³	4.58E-07	1.15E-07	2.66E-09	2.42E-09	0.00E+00	4.50E-09	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-10	2.44E-12	3.93E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.97E-01	6.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																
GWP	Global warming potential (GW/P ₁₀₀)			RE _{DWPS}	Recovered energy from disposal of waste in previous systems			HLRW	High-level radioactive waste			B1, B2, B3	Use, Maintenance, Repair			
AP	Acidification potential			ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials			ILLRW	Intermediate/low-level radioactive waste			B4	Replacement			
EP	Eutrophication potential			SM	Secondary materials			Reuse	Components for reuse			B5	Refurbishment			
SFP	Smog formation potential			RSF	Renewable secondary fuels			Recycling	Materials for recycling			B6	Operational energy use			
ODP	Ozone depletion potential			NRSF	Non-renewable secondary fuels			MER	Material for energy recovery			B7	Operational water use			
NRPR _E	Non-renewable primary resources used as an energy carrier			FW	Consumption of fresh water			EE	Exported energy			C1	De-construction/Demolition			
NRPR _M	Non-renewable primary resources with energy content used as a material			HWD	Hazardous waste disposed			A1-3	Production stage			C2	Transport			
RPR _E	Renewable primary resources used as an energy carrier			NHWD	Non-hazardous waste disposed			A4	Transport to site			C3	Waste processing			
RPR _M	Renewable primary resources with energy content used as a material						A5	Installation			C4	Disposal				

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 35

System: Sikafloor® Quartzite® (trowel)

Application: Commercial

Reference flow over the service life (kg/m²): 8.41E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.20E+01	1.25E+01	2.01E+00	3.25E-01	0.00E+00	1.22E+00	0.00E+00	5.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-01	3.59E-02	1.46E-01
AP	kg SO ₂ eq.	8.09E-02	4.73E-02	4.17E-03	1.06E-03	0.00E+00	5.00E-03	0.00E+00	2.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	2.94E-06	7.30E-04
EP	kg N eq.	7.66E-02	4.14E-02	1.97E-03	7.72E-03	0.00E+00	6.05E-03	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	6.75E-06	1.70E-04
SFP	kg O ₃ eq.	1.37E+00	6.18E-01	6.94E-02	1.76E-01	0.00E+00	6.71E-02	0.00E+00	3.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-02	9.08E-05	1.92E-02
ODP	kg CFC-11 eq.	6.18E-07	3.79E-07	3.31E-08	8.36E-09	0.00E+00	2.40E-08	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	3.47E-12	3.33E-09
Resource use																
NRPR _E	MJ	3.22E+02	1.80E+02	2.97E+01	4.30E+00	0.00E+00	2.22E+01	0.00E+00	7.78E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E+00	3.20E-03	2.82E+00
NRPR _M	kg	2.53E+00	1.75E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	0.00E+00	7.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.85E+01	1.36E+01	4.08E-01	2.88E-01	0.00E+00	9.16E+00	0.00E+00	5.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	9.22E-05	3.15E-02
RPR _M	kg	2.52E-02	2.47E-02	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.55E+02	2.07E+02	2.75E+01	4.78E+00	0.00E+00	1.93E+01	0.00E+00	8.91E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E+00	2.89E-03	2.62E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.25E-01	1.03E-01	4.05E-03	1.37E-03	0.00E+00	7.59E-02	0.00E+00	3.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	7.05E-06	1.53E-03
Waste*																
HWD	kg	2.16E-01	4.44E-02	0.00E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-02	0.00E+00
NHWD	kg	8.49E+00	8.11E-02	0.00E+00	7.64E-02	0.00E+00	0.00E+00	0.00E+00	4.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E+00
HLRW	m ³	1.33E-08	8.25E-09	3.41E-10	1.98E-10	0.00E+00	8.25E-10	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-11	5.67E-14	2.69E-11
ILLRW	m ³	7.20E-08	4.43E-08	1.76E-09	9.46E-10	0.00E+00	4.50E-09	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-10	2.82E-13	1.40E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.94E-02	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 36

System: Sikafloor® Quartzite® (trowel)

Application: Commercial

Reference flow over the service life (kg/m²): 8.05E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 60 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.93E+01	1.25E+01	2.01E+00	3.24E-01	0.00E+00	1.22E+00	0.00E+00	2.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-01	3.43E-02	1.40E-01
AP	kg SO ₂ eq.	7.04E-02	4.73E-02	4.17E-03	1.06E-03	0.00E+00	5.00E-03	0.00E+00	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	2.81E-06	6.98E-04
EP	kg N eq.	6.67E-02	4.14E-02	1.97E-03	7.43E-03	0.00E+00	6.05E-03	0.00E+00	9.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	6.45E-06	1.62E-04
SFP	kg O ₃ eq.	1.18E+00	6.18E-01	6.94E-02	1.76E-01	0.00E+00	6.71E-02	0.00E+00	1.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-02	8.68E-05	1.84E-02
ODP	kg CFC-11 eq.	5.35E-07	3.79E-07	3.31E-08	8.36E-09	0.00E+00	2.40E-08	0.00E+00	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	3.32E-12	3.18E-09
Resource use																
NRPR _E	MJ	2.82E+02	1.80E+02	2.97E+01	4.29E+00	0.00E+00	2.22E+01	0.00E+00	3.89E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E+00	3.06E-03	2.69E+00
NRPR _M	kg	2.16E+00	1.75E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	0.00E+00	3.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.60E+01	1.36E+01	4.08E-01	2.88E-01	0.00E+00	9.16E+00	0.00E+00	2.50E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-02	8.82E-05	3.01E-02
RPR _M	kg	2.52E-02	2.47E-02	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.10E+02	2.07E+02	2.75E+01	4.78E+00	0.00E+00	1.93E+01	0.00E+00	4.45E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E+00	2.76E-03	2.50E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.06E-01	1.03E-01	4.05E-03	1.39E-03	0.00E+00	7.59E-02	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.74E-06	1.47E-03
Waste*																
HWD	kg	2.06E-01	4.44E-02	0.00E+00	1.45E-01	0.00E+00	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-02	0.00E+00
NHWD	kg	8.10E+00	8.11E-02	0.00E+00	7.64E-02	0.00E+00	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E+00
HLRW	m ³	1.15E-08	8.25E-09	3.41E-10	1.98E-10	0.00E+00	8.25E-10	0.00E+00	1.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-11	5.42E-14	2.57E-11
ILLRW	m ³	6.19E-08	4.43E-08	1.76E-09	9.46E-10	0.00E+00	4.50E-09	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-10	2.70E-13	1.34E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.87E-02	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 37

System: Sikafloor® Quartzite® (trowel)

Application: Industrial

Reference flow over the service life (kg/m²): 8.77E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.47E+01	1.25E+01	2.01E+00	3.26E-01	0.00E+00	1.22E+00	0.00E+00	8.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-01	3.75E-02	1.52E-01
AP	kg SO ₂ eq.	9.14E-02	4.73E-02	4.17E-03	1.06E-03	0.00E+00	5.00E-03	0.00E+00	3.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.07E-06	7.62E-04
EP	kg N eq.	8.64E-02	4.14E-02	1.97E-03	8.01E-03	0.00E+00	6.05E-03	0.00E+00	2.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	7.04E-06	1.77E-04
SFP	kg O ₃ eq.	1.56E+00	6.18E-01	6.94E-02	1.76E-01	0.00E+00	6.71E-02	0.00E+00	5.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-02	9.48E-05	2.01E-02
ODP	kg CFC-11 eq.	7.00E-07	3.79E-07	3.31E-08	8.36E-09	0.00E+00	2.40E-08	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	3.62E-12	3.48E-09
Resource use																
NRPR _E	MJ	3.61E+02	1.80E+02	2.97E+01	4.30E+00	0.00E+00	2.22E+01	0.00E+00	1.17E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E+00	3.34E-03	2.94E+00
NRPR _M	kg	2.91E+00	1.75E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	0.00E+00	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.10E+01	1.36E+01	4.08E-01	2.88E-01	0.00E+00	9.16E+00	0.00E+00	7.50E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-02	9.63E-05	3.29E-02
RPR _M	kg	2.52E-02	2.47E-02	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.00E+02	2.07E+02	2.75E+01	4.78E+00	0.00E+00	1.93E+01	0.00E+00	1.34E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E+00	3.02E-03	2.73E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.44E-01	1.03E-01	4.05E-03	1.34E-03	0.00E+00	7.59E-02	0.00E+00	5.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.36E-06	1.60E-03
Waste*																
HWD	kg	2.26E-01	4.44E-02	0.00E+00	1.58E-01	0.00E+00	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02	0.00E+00
NHWD	kg	8.88E+00	8.11E-02	0.00E+00	7.64E-02	0.00E+00	0.00E+00	0.00E+00	7.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HLRW	m ³	1.51E-08	8.25E-09	3.41E-10	1.98E-10	0.00E+00	8.25E-10	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-11	5.92E-14	2.81E-11
ILLRW	m ³	8.21E-08	4.43E-08	1.76E-09	9.46E-10	0.00E+00	4.50E-09	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-10	2.94E-13	1.46E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	6.01E-02	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Legend																
GWP	Global warming potential (GW/P ₁₀₀)			RE _{DWPS}	Recovered energy from disposal of waste in previous systems			HLRW	High-level radioactive waste			B1, B2, B3	Use, Maintenance, Repair			
AP	Acidification potential			ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials			ILLRW	Intermediate/low-level radioactive waste			B4	Replacement			
EP	Eutrophication potential			SM	Secondary materials			Reuse	Components for reuse			B5	Refurbishment			
SFP	Smog formation potential			RSF	Renewable secondary fuels			Recycling	Materials for recycling			B6	Operational energy use			
ODP	Ozone depletion potential			NRSF	Non-renewable secondary fuels			MER	Material for energy recovery			B7	Operational water use			
NRPR _E	Non-renewable primary resources used as an energy carrier			FW	Consumption of fresh water			EE	Exported energy			C1	De-construction/Demolition			
NRPR _M	Non-renewable primary resources with energy content used as a material			HWD	Hazardous waste disposed			A1-3	Production stage			C2	Transport			
RPR _E	Renewable primary resources used as an energy carrier			NHWD	Non-hazardous waste disposed			A4	Transport to site			C3	Waste processing			
RPR _M	Renewable primary resources with energy content used as a material						A5	Installation			C4	Disposal				

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 38

System: Sika[®] Quartzite[®] (trowel)

Application: Industrial

Reference flow over the service life (kg/m²): 8.41E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.20E+01	1.25E+01	2.01E+00	3.25E-01	0.00E+00	1.22E+00	0.00E+00	5.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-01	3.59E-02	1.46E-01
AP	kg SO ₂ eq.	8.09E-02	4.73E-02	4.17E-03	1.06E-03	0.00E+00	5.00E-03	0.00E+00	2.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	2.94E-06	7.30E-04
EP	kg N eq.	7.66E-02	4.14E-02	1.97E-03	7.72E-03	0.00E+00	6.05E-03	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	6.75E-06	1.70E-04
SFP	kg O ₃ eq.	1.37E+00	6.18E-01	6.94E-02	1.76E-01	0.00E+00	6.71E-02	0.00E+00	3.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-02	9.08E-05	1.92E-02
ODP	kg CFC-11 eq.	6.18E-07	3.79E-07	3.31E-08	8.36E-09	0.00E+00	2.40E-08	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	3.47E-12	3.33E-09
Resource use																
NRPR _E	MJ	3.22E+02	1.80E+02	2.97E+01	4.30E+00	0.00E+00	2.22E+01	0.00E+00	7.78E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E+00	3.20E-03	2.82E+00
NRPR _M	kg	2.53E+00	1.75E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	0.00E+00	7.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.85E+01	1.36E+01	4.08E-01	2.88E-01	0.00E+00	9.16E+00	0.00E+00	5.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	9.22E-05	3.15E-02
RPR _M	kg	2.52E-02	2.47E-02	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.55E+02	2.07E+02	2.75E+01	4.78E+00	0.00E+00	1.93E+01	0.00E+00	8.91E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E+00	2.89E-03	2.62E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.25E-01	1.03E-01	4.05E-03	1.37E-03	0.00E+00	7.59E-02	0.00E+00	3.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	7.05E-06	1.53E-03
Waste*																
HWD	kg	2.16E-01	4.44E-02	0.00E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-02	0.00E+00
NHWD	kg	8.49E+00	8.11E-02	0.00E+00	7.64E-02	0.00E+00	0.00E+00	0.00E+00	4.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E+00
HLRW	m ³	1.33E-08	8.25E-09	3.41E-10	1.98E-10	0.00E+00	8.25E-10	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-11	5.67E-14	2.69E-11
ILLRW	m ³	7.20E-08	4.43E-08	1.76E-09	9.46E-10	0.00E+00	4.50E-09	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-10	2.82E-13	1.40E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.94E-02	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 39

System: Sikafloor® Quartzite® (heavy-duty broadcast)

Application: Commercial

Reference flow over the service life (kg/m²): 1.80E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.31E+01	2.04E+01	4.41E+00	5.63E-01	0.00E+00	1.22E+00	0.00E+00	5.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-01	2.51E-02	3.07E-01
AP	kg SO ₂ eq.	1.21E-01	7.90E-02	9.14E-03	1.82E-03	0.00E+00	5.00E-03	0.00E+00	2.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-03	2.05E-06	1.53E-03
EP	kg N eq.	1.07E-01	6.56E-02	4.33E-03	1.09E-02	0.00E+00	6.05E-03	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	4.71E-06	3.56E-04
SFP	kg O ₃ eq.	1.98E+00	1.01E+00	1.52E-01	2.34E-01	0.00E+00	6.71E-02	0.00E+00	3.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-01	6.34E-05	4.04E-02
ODP	kg CFC-11 eq.	8.96E-07	6.02E-07	7.27E-08	1.37E-08	0.00E+00	2.40E-08	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.42E-12	6.99E-09
Resource use																
NRPR _E	MJ	4.79E+02	2.90E+02	6.52E+01	7.30E+00	0.00E+00	2.22E+01	0.00E+00	7.78E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E+01	2.23E-03	5.92E+00
NRPR _M	kg	3.44E+00	2.64E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	0.00E+00	7.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.05E+01	2.48E+01	8.97E-01	5.24E-01	0.00E+00	9.16E+00	0.00E+00	5.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-02	6.44E-05	6.62E-02
RPR _M	kg	6.07E-02	5.95E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.22E+02	3.29E+02	6.04E+01	7.97E+00	0.00E+00	1.93E+01	0.00E+00	8.91E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+01	2.02E-03	5.49E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.26E-01	1.96E-01	8.89E-03	3.02E-03	0.00E+00	7.59E-02	0.00E+00	3.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	4.92E-06	3.22E-03
Waste*																
HWD	kg	3.02E-01	8.32E-02	0.00E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00
NHWD	kg	1.80E+01	3.13E-01	0.00E+00	2.52E-01	0.00E+00	0.00E+00	0.00E+00	4.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E+01
HLRW	m³	1.91E-08	1.35E-08	7.48E-10	3.17E-10	0.00E+00	8.25E-10	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-11	3.96E-14	5.65E-11
ILLRW	m³	1.01E-07	6.99E-08	3.87E-09	1.51E-09	0.00E+00	4.50E-09	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-10	1.97E-13	2.94E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	2.32E-01	2.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	9.37E-02	8.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 40

System: Sikafloor® Quartzite® (heavy-duty broadcast)

Application: Commercial

Reference flow over the service life (kg/m²): 1.77E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 60 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.03E+01	2.04E+01	4.41E+00	5.62E-01	0.00E+00	1.22E+00	0.00E+00	2.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-01	2.46E-02	3.00E-01
AP	kg SO ₂ eq.	1.11E-01	7.90E-02	9.14E-03	1.82E-03	0.00E+00	5.00E-03	0.00E+00	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03	2.01E-06	1.50E-03
EP	kg N eq.	9.69E-02	6.56E-02	4.33E-03	1.07E-02	0.00E+00	6.05E-03	0.00E+00	9.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	4.61E-06	3.49E-04
SFP	kg O ₃ eq.	1.80E+00	1.01E+00	1.52E-01	2.34E-01	0.00E+00	6.71E-02	0.00E+00	1.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-01	6.21E-05	3.96E-02
ODP	kg CFC-11 eq.	8.13E-07	6.02E-07	7.27E-08	1.37E-08	0.00E+00	2.40E-08	0.00E+00	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.37E-12	6.85E-09
Resource use																
NRPR _E	MJ	4.40E+02	2.90E+02	6.52E+01	7.30E+00	0.00E+00	2.22E+01	0.00E+00	3.89E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E+01	2.19E-03	5.80E+00
NRPR _M	kg	3.07E+00	2.64E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	0.00E+00	3.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.80E+01	2.48E+01	8.97E-01	5.24E-01	0.00E+00	9.16E+00	0.00E+00	2.50E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-02	6.31E-05	6.48E-02
RPR _M	kg	6.07E-02	5.95E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.77E+02	3.29E+02	6.04E+01	7.97E+00	0.00E+00	1.93E+01	0.00E+00	4.45E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+01	1.98E-03	5.38E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.06E-01	1.96E-01	8.89E-03	3.04E-03	0.00E+00	7.59E-02	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	4.82E-06	3.15E-03
Waste*																
HWD	kg	2.95E-01	8.32E-02	0.00E+00	1.99E-01	0.00E+00	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02	0.00E+00
NHWD	kg	1.76E+01	3.13E-01	0.00E+00	2.49E-01	0.00E+00	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+01
HLRW	m³	1.73E-08	1.35E-08	7.48E-10	3.17E-10	0.00E+00	8.25E-10	0.00E+00	1.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-11	3.88E-14	5.53E-11
ILLRW	m³	9.04E-08	6.99E-08	3.87E-09	1.51E-09	0.00E+00	4.50E-09	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-10	1.93E-13	2.88E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	2.32E-01	2.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	9.35E-02	8.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																
GWP	Global warming potential (GW/P ₁₀₀)			RE _{DWPS}	Recovered energy from disposal of waste in previous systems				HLRW	High-level radioactive waste			B1, B2, B3	Use, Maintenance, Repair		
AP	Acidification potential			ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials				ILLRW	Intermediate/low-level radioactive waste			B4	Replacement		
EP	Eutrophication potential			SM	Secondary materials				Reuse	Components for reuse			B5	Refurbishment		
SFP	Smog formation potential			RSF	Renewable secondary fuels				Recycling	Materials for recycling			B6	Operational energy use		
ODP	Ozone depletion potential			NRSF	Non-renewable secondary fuels				MER	Material for energy recovery			B7	Operational water use		
NRPR _E	Non-renewable primary resources used as an energy carrier			FW	Consumption of fresh water				EE	Exported energy			C1	De-construction/Demolition		
NRPR _M	Non-renewable primary resources with energy content used as a material			HWD	Hazardous waste disposed				A1-3	Production stage			C2	Transport		
RPR _E	Renewable primary resources used as an energy carrier			NHWD	Non-hazardous waste disposed				A4	Transport to site			C3	Waste processing		
RPR _M	Renewable primary resources with energy content used as a material								A5	Installation			C4	Disposal		

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 41

System: Sikafloor® Quartzite® (heavy-duty broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 1.84E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.58E+01	2.04E+01	4.41E+00	5.63E-01	0.00E+00	1.22E+00	0.00E+00	8.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-01	2.56E-02	3.13E-01
AP	kg SO ₂ eq.	1.32E-01	7.90E-02	9.14E-03	1.82E-03	0.00E+00	5.00E-03	0.00E+00	3.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-03	2.10E-06	1.56E-03
EP	kg N eq.	1.16E-01	6.56E-02	4.33E-03	1.10E-02	0.00E+00	6.05E-03	0.00E+00	2.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	4.81E-06	3.64E-04
SFP	kg O ₃ eq.	2.17E+00	1.01E+00	1.52E-01	2.34E-01	0.00E+00	6.71E-02	0.00E+00	5.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-01	6.47E-05	4.13E-02
ODP	kg CFC-11 eq.	9.78E-07	6.02E-07	7.27E-08	1.37E-08	0.00E+00	2.40E-08	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.47E-12	7.14E-09
Resource use																
NRPR _E	MJ	5.18E+02	2.90E+02	6.52E+01	7.30E+00	0.00E+00	2.22E+01	0.00E+00	1.17E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+01	2.28E-03	6.04E+00
NRPR _M	kg	3.82E+00	2.64E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	0.00E+00	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.30E+01	2.48E+01	8.97E-01	5.24E-01	0.00E+00	9.16E+00	0.00E+00	7.50E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-02	6.58E-05	6.76E-02
RPR _M	kg	6.07E-02	5.95E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.67E+02	3.29E+02	6.04E+01	7.97E+00	0.00E+00	1.93E+01	0.00E+00	1.34E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+01	2.06E-03	5.61E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.45E-01	1.96E-01	8.89E-03	3.01E-03	0.00E+00	7.59E-02	0.00E+00	5.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	5.02E-06	3.29E-03
Waste*																
HWD	kg	3.09E-01	8.32E-02	0.00E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-02	0.00E+00
NHWD	kg	1.84E+01	3.13E-01	0.00E+00	2.55E-01	0.00E+00	0.00E+00	0.00E+00	7.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E+01
HLRW	m³	2.09E-08	1.35E-08	7.48E-10	3.17E-10	0.00E+00	8.25E-10	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-11	4.05E-14	5.77E-11
ILLRW	m³	1.11E-07	6.99E-08	3.87E-09	1.51E-09	0.00E+00	4.50E-09	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-10	2.01E-13	3.00E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	2.32E-01	2.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	9.39E-02	8.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GWP ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 42

System: Sikafloor® Quartzite® (heavy-duty broadcast)

Application: Industrial

Reference flow over the service life (kg/m²): 1.80E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.31E+01	2.04E+01	4.41E+00	5.63E-01	0.00E+00	1.22E+00	0.00E+00	5.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-01	2.51E-02	3.07E-01
AP	kg SO ₂ eq.	1.21E-01	7.90E-02	9.14E-03	1.82E-03	0.00E+00	5.00E-03	0.00E+00	2.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-03	2.05E-06	1.53E-03
EP	kg N eq.	1.07E-01	6.56E-02	4.33E-03	1.09E-02	0.00E+00	6.05E-03	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	4.71E-06	3.56E-04
SFP	kg O ₃ eq.	1.98E+00	1.01E+00	1.52E-01	2.34E-01	0.00E+00	6.71E-02	0.00E+00	3.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-01	6.34E-05	4.04E-02
ODP	kg CFC-11 eq.	8.96E-07	6.02E-07	7.27E-08	1.37E-08	0.00E+00	2.40E-08	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.42E-12	6.99E-09
Resource use																
NRPR _E	MJ	4.79E+02	2.90E+02	6.52E+01	7.30E+00	0.00E+00	2.22E+01	0.00E+00	7.78E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E+01	2.23E-03	5.92E+00
NRPR _M	kg	3.44E+00	2.64E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	0.00E+00	7.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.05E+01	2.48E+01	8.97E-01	5.24E-01	0.00E+00	9.16E+00	0.00E+00	5.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-02	6.44E-05	6.62E-02
RPR _M	kg	6.07E-02	5.95E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.22E+02	3.29E+02	6.04E+01	7.97E+00	0.00E+00	1.93E+01	0.00E+00	8.91E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+01	2.02E-03	5.49E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.26E-01	1.96E-01	8.89E-03	3.02E-03	0.00E+00	7.59E-02	0.00E+00	3.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	4.92E-06	3.22E-03
Waste*																
HWD	kg	3.02E-01	8.32E-02	0.00E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00
NHWD	kg	1.80E+01	3.13E-01	0.00E+00	2.52E-01	0.00E+00	0.00E+00	0.00E+00	4.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E+01
HLRW	m³	1.91E-08	1.35E-08	7.48E-10	3.17E-10	0.00E+00	8.25E-10	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-11	3.96E-14	5.65E-11
ILLRW	m³	1.01E-07	6.99E-08	3.87E-09	1.51E-09	0.00E+00	4.50E-09	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-10	1.97E-13	2.94E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	2.32E-01	2.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	9.37E-02	8.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 43

System: Sikafloor® Resoclad MRW Type II

Application: Commercial

Reference flow over the service life (kg/m²): 2.24E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.54E+01	7.59E+00	3.12E-01	1.69E-01	0.00E+00	1.22E+00	0.00E+00	5.85E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-02	1.02E-01	3.76E-02
AP	kg SO ₂ eq.	5.73E-02	2.38E-02	6.43E-04	5.06E-04	0.00E+00	5.00E-03	0.00E+00	2.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.36E-06	1.88E-04
EP	kg N eq.	6.70E-02	2.91E-02	3.04E-04	4.29E-03	0.00E+00	6.05E-03	0.00E+00	2.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	1.92E-05	4.36E-05
SFP	kg O ₃ eq.	1.07E+00	2.80E-01	1.07E-02	6.91E-02	0.00E+00	6.71E-02	0.00E+00	6.24E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-02	2.58E-04	4.95E-03
ODP	kg CFC-11 eq.	3.54E-07	1.54E-07	5.13E-09	3.23E-09	0.00E+00	2.40E-08	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	9.86E-12	8.57E-10
Resource use																
NRPR _E	MJ	1.85E+02	7.27E+01	4.61E+00	1.61E+00	0.00E+00	2.22E+01	0.00E+00	8.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E+00	9.08E-03	7.25E-01
NRPR _M	kg	1.44E+00	6.93E-01	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00	7.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.53E+01	1.06E+01	6.29E-02	2.21E-01	0.00E+00	9.16E+00	0.00E+00	5.23E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-03	2.62E-04	8.11E-03
RPR _M	kg	5.38E-01	5.24E-01	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.02E+02	8.16E+01	4.28E+00	1.77E+00	0.00E+00	1.93E+01	0.00E+00	9.32E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+00	8.21E-03	6.73E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	1.86E-01	5.51E-02	6.26E-04	9.16E-04	0.00E+00	7.59E-02	0.00E+00	5.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	2.00E-05	3.95E-04
Waste*																
HWD	kg	8.95E-02	3.88E-02	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-02	0.00E+00
NHWD	kg	2.35E+00	6.92E-02	0.00E+00	6.96E-02	0.00E+00	0.00E+00	0.00E+00	7.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E+00
HLRW	m ³	8.12E-09	3.55E-09	5.25E-11	9.79E-11	0.00E+00	8.25E-10	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-12	1.61E-13	6.92E-12
ILLRW	m ³	3.90E-08	1.55E-08	2.71E-10	3.36E-10	0.00E+00	4.50E-09	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-11	8.01E-13	3.60E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.15E-02	3.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 44

System: Sikafloor® Resoclad MRW Type II

Application: Commercial

Reference flow over the service life (kg/m²): 1.89E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.34E+01	7.59E+00	3.12E-01	1.69E-01	0.00E+00	1.22E+00	0.00E+00	3.90E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-02	8.51E-02	3.13E-02
AP	kg SO ₂ eq.	4.83E-02	2.38E-02	6.43E-04	5.06E-04	0.00E+00	5.00E-03	0.00E+00	1.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	6.97E-06	1.57E-04
EP	kg N eq.	5.79E-02	2.91E-02	3.04E-04	4.29E-03	0.00E+00	6.05E-03	0.00E+00	1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	1.60E-05	3.64E-05
SFP	kg O ₃ eq.	8.58E-01	2.80E-01	1.07E-02	6.91E-02	0.00E+00	6.71E-02	0.00E+00	4.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	2.15E-04	4.13E-03
ODP	kg CFC-11 eq.	2.98E-07	1.54E-07	5.13E-09	3.23E-09	0.00E+00	2.40E-08	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	8.23E-12	7.15E-10
Resource use																
NRPR _E	MJ	1.57E+02	7.27E+01	4.61E+00	1.61E+00	0.00E+00	2.22E+01	0.00E+00	5.45E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+00	7.58E-03	6.05E-01
NRPR _M	kg	1.20E+00	6.93E-01	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00	4.90E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.36E+01	1.06E+01	6.29E-02	2.21E-01	0.00E+00	9.16E+00	0.00E+00	3.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-03	2.19E-04	6.77E-03
RPR _M	kg	5.37E-01	5.24E-01	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.71E+02	8.16E+01	4.28E+00	1.77E+00	0.00E+00	1.93E+01	0.00E+00	6.22E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+00	6.85E-03	5.62E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	1.68E-01	5.51E-02	6.26E-04	9.16E-04	0.00E+00	7.59E-02	0.00E+00	3.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	1.67E-05	3.29E-04
Waste*																
HWD	kg	8.00E-02	3.88E-02	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-02	0.00E+00
NHWD	kg	1.97E+00	6.92E-02	0.00E+00	6.96E-02	0.00E+00	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E+00
HLRW	m³	6.92E-09	3.55E-09	5.25E-11	9.79E-11	0.00E+00	8.25E-10	0.00E+00	2.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-12	1.35E-13	5.77E-12
ILLRW	m³	3.29E-08	1.55E-08	2.71E-10	3.36E-10	0.00E+00	4.50E-09	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-11	6.68E-13	3.01E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	7.44E-02	3.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
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HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
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Table 45

System: Sikafloor® Resoclad MRW Type II

Application: Industrial

Reference flow over the service life (kg/m²): 3.30E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market and technical service life: 5 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.13E+01	7.59E+00	3.12E-01	1.69E-01	0.00E+00	1.22E+00	0.00E+00	1.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-01	1.53E-01	5.63E-02
AP	kg SO ₂ eq.	8.44E-02	2.38E-02	6.43E-04	5.06E-04	0.00E+00	5.00E-03	0.00E+00	5.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.25E-05	2.81E-04
EP	kg N eq.	9.41E-02	2.91E-02	3.04E-04	4.29E-03	0.00E+00	6.05E-03	0.00E+00	5.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	2.87E-05	6.53E-05
SFP	kg O ₃ eq.	1.70E+00	2.80E-01	1.07E-02	6.91E-02	0.00E+00	6.71E-02	0.00E+00	1.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-02	3.86E-04	7.42E-03
ODP	kg CFC-11 eq.	5.21E-07	1.54E-07	5.13E-09	3.23E-09	0.00E+00	2.40E-08	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	1.48E-11	1.28E-09
Resource use																
NRPR _E	MJ	2.68E+02	7.27E+01	4.61E+00	1.61E+00	0.00E+00	2.22E+01	0.00E+00	1.63E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E+00	1.36E-02	1.09E+00
NRPR _M	kg	2.18E+00	6.93E-01	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00	1.47E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.06E+01	1.06E+01	6.29E-02	2.21E-01	0.00E+00	9.16E+00	0.00E+00	1.05E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-03	3.93E-04	1.21E-02
RPR _M	kg	5.42E-01	5.24E-01	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.96E+02	8.16E+01	4.28E+00	1.77E+00	0.00E+00	1.93E+01	0.00E+00	1.86E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E+00	1.23E-02	1.01E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.39E-01	5.51E-02	6.26E-04	9.16E-04	0.00E+00	7.59E-02	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	3.00E-05	5.91E-04
Waste*																
HWD	kg	1.18E-01	3.88E-02	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-02	0.00E+00
NHWD	kg	3.49E+00	6.92E-02	0.00E+00	6.96E-02	0.00E+00	0.00E+00	0.00E+00	1.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+00
HLRW	m³	1.17E-08	3.55E-09	5.25E-11	9.79E-11	0.00E+00	8.25E-10	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-12	2.41E-13	1.04E-11
ILLRW	m³	5.74E-08	1.55E-08	2.71E-10	3.36E-10	0.00E+00	4.50E-09	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-11	1.20E-12	5.40E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.03E-01	3.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 46

System: Sikafloor® Resoclad MRW Type III

Application: Commercial

Reference flow over the service life (kg/m²): 3.44E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.67E+01	1.13E+01	7.66E-01	2.64E-01	0.00E+00	1.22E+00	0.00E+00	2.92E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-01	6.12E-02	5.79E-02
AP	kg SO ₂ eq.	5.83E-02	3.66E-02	1.58E-03	7.91E-04	0.00E+00	5.00E-03	0.00E+00	1.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	5.01E-06	2.89E-04
EP	kg N eq.	7.20E-02	4.34E-02	7.49E-04	8.11E-03	0.00E+00	6.05E-03	0.00E+00	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.15E-05	6.72E-05
SFP	kg O ₃ eq.	9.66E-01	4.37E-01	2.64E-02	9.43E-02	0.00E+00	6.71E-02	0.00E+00	3.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-02	1.55E-04	7.62E-03
ODP	kg CFC-11 eq.	3.82E-07	2.53E-07	1.26E-08	5.42E-09	0.00E+00	2.40E-08	0.00E+00	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	5.91E-12	1.32E-09
Resource use																
NRPR _E	MJ	1.94E+02	1.14E+02	1.13E+01	2.61E+00	0.00E+00	2.22E+01	0.00E+00	4.09E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E+00	5.44E-03	1.12E+00
NRPR _M	kg	1.46E+00	1.07E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	0.00E+00	3.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.80E+01	1.57E+01	1.55E-01	3.28E-01	0.00E+00	9.16E+00	0.00E+00	2.62E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-03	1.57E-04	1.25E-02
RPR _M	kg	7.18E-01	7.02E-01	0.00E+00	1.40E-02	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.09E+02	1.27E+02	1.05E+01	2.83E+00	0.00E+00	1.93E+01	0.00E+00	4.66E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E+00	4.92E-03	1.04E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	1.92E-01	8.62E-02	1.54E-03	1.31E-03	0.00E+00	7.59E-02	0.00E+00	2.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	1.20E-05	6.07E-04
Waste*																
HWD	kg	1.29E-01	5.82E-02	0.00E+00	4.12E-02	0.00E+00	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-02	0.00E+00
NHWD	kg	3.53E+00	1.03E-01	0.00E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E+00
HLRW	m³	8.49E-09	5.57E-09	1.29E-10	1.52E-10	0.00E+00	8.25E-10	0.00E+00	1.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-12	9.66E-14	1.07E-11
ILLRW	m³	3.96E-08	2.46E-08	6.69E-10	5.36E-10	0.00E+00	4.50E-09	0.00E+00	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-11	4.80E-13	5.55E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.38E-02	5.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 47

System: Sikafloor® Resoclad MRW Type III

Application: Commercial

Reference flow over the service life (kg/m²): 3.27E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.57E+01	1.13E+01	7.66E-01	2.64E-01	0.00E+00	1.22E+00	0.00E+00	1.95E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-01	5.79E-02	5.47E-02
AP	kg SO ₂ eq.	5.38E-02	3.66E-02	1.58E-03	7.91E-04	0.00E+00	5.00E-03	0.00E+00	8.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	4.74E-06	2.73E-04
EP	kg N eq.	6.73E-02	4.34E-02	7.49E-04	8.02E-03	0.00E+00	6.05E-03	0.00E+00	9.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	1.09E-05	6.35E-05
SFP	kg O ₃ eq.	8.60E-01	4.37E-01	2.64E-02	9.43E-02	0.00E+00	6.71E-02	0.00E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-02	1.46E-04	7.21E-03
ODP	kg CFC-11 eq.	3.54E-07	2.53E-07	1.26E-08	5.42E-09	0.00E+00	2.40E-08	0.00E+00	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	5.59E-12	1.25E-09
Resource use																
NRPR _E	MJ	1.81E+02	1.14E+02	1.13E+01	2.61E+00	0.00E+00	2.22E+01	0.00E+00	2.72E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E+00	5.15E-03	1.06E+00
NRPR _M	kg	1.34E+00	1.07E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	0.00E+00	2.45E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.71E+01	1.57E+01	1.55E-01	3.28E-01	0.00E+00	9.16E+00	0.00E+00	1.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-03	1.49E-04	1.18E-02
RPR _M	kg	7.17E-01	7.02E-01	0.00E+00	1.40E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.93E+02	1.27E+02	1.05E+01	2.83E+00	0.00E+00	1.93E+01	0.00E+00	3.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+00	4.66E-03	9.81E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	1.83E-01	8.62E-02	1.54E-03	1.32E-03	0.00E+00	7.59E-02	0.00E+00	1.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.14E-05	5.75E-04
Waste*																
HWD	kg	1.24E-01	5.82E-02	0.00E+00	3.91E-02	0.00E+00	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-02	0.00E+00
NHWD	kg	3.34E+00	1.03E-01	0.00E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E+00
HLRW	m³	7.89E-09	5.57E-09	1.29E-10	1.52E-10	0.00E+00	8.25E-10	0.00E+00	1.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-12	9.14E-14	1.01E-11
ILLRW	m³	3.65E-08	2.46E-08	6.69E-10	5.36E-10	0.00E+00	4.50E-09	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-11	4.54E-13	5.25E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.24E-02	5.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 48

System: Sikafloor® Resoclad MRW Type III

Application: Industrial

Reference flow over the service life (kg/m²): 3.97E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.97E+01	1.13E+01	7.66E-01	2.65E-01	0.00E+00	1.22E+00	0.00E+00	5.85E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-01	7.11E-02	6.72E-02
AP	kg SO ₂ eq.	7.19E-02	3.66E-02	1.58E-03	7.92E-04	0.00E+00	5.00E-03	0.00E+00	2.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	5.82E-06	3.36E-04
EP	kg N eq.	8.58E-02	4.34E-02	7.49E-04	8.40E-03	0.00E+00	6.05E-03	0.00E+00	2.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.33E-05	7.80E-05
SFP	kg O ₃ eq.	1.28E+00	4.37E-01	2.64E-02	9.43E-02	0.00E+00	6.71E-02	0.00E+00	6.24E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-02	1.80E-04	8.86E-03
ODP	kg CFC-11 eq.	4.65E-07	2.53E-07	1.26E-08	5.42E-09	0.00E+00	2.40E-08	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	6.87E-12	1.53E-09
Resource use																
NRPR _E	MJ	2.36E+02	1.14E+02	1.13E+01	2.61E+00	0.00E+00	2.22E+01	0.00E+00	8.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E+00	6.32E-03	1.30E+00
NRPR _M	kg	1.83E+00	1.07E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	0.00E+00	7.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.06E+01	1.57E+01	1.55E-01	3.28E-01	0.00E+00	9.16E+00	0.00E+00	5.23E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02	1.83E-04	1.45E-02
RPR _M	kg	7.19E-01	7.02E-01	0.00E+00	1.40E-02	0.00E+00	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.56E+02	1.27E+02	1.05E+01	2.83E+00	0.00E+00	1.93E+01	0.00E+00	9.32E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E+00	5.72E-03	1.20E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.19E-01	8.62E-02	1.54E-03	1.29E-03	0.00E+00	7.59E-02	0.00E+00	5.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	1.39E-05	7.06E-04
Waste*																
HWD	kg	1.43E-01	5.82E-02	0.00E+00	4.77E-02	0.00E+00	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-02	0.00E+00
NHWD	kg	4.10E+00	1.03E-01	0.00E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00	7.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E+00
HLRW	m³	1.03E-08	5.57E-09	1.29E-10	1.52E-10	0.00E+00	8.25E-10	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-11	1.12E-13	1.24E-11
ILLRW	m³	4.88E-08	2.46E-08	6.69E-10	5.36E-10	0.00E+00	4.50E-09	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-11	5.58E-13	6.44E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.79E-02	5.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 49

System: Sikafloor® Resoclad MRW Type III

Application: Industrial

Reference flow over the service life (kg/m²): 3.62E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.77E+01	1.13E+01	7.66E-01	2.64E-01	0.00E+00	1.22E+00	0.00E+00	3.90E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-01	6.45E-02	6.10E-02
AP	kg SO ₂ eq.	6.29E-02	3.66E-02	1.58E-03	7.92E-04	0.00E+00	5.00E-03	0.00E+00	1.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	5.28E-06	3.05E-04
EP	kg N eq.	7.66E-02	4.34E-02	7.49E-04	8.21E-03	0.00E+00	6.05E-03	0.00E+00	1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	1.21E-05	7.08E-05
SFP	kg O ₃ eq.	1.07E+00	4.37E-01	2.64E-02	9.43E-02	0.00E+00	6.71E-02	0.00E+00	4.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-02	1.63E-04	8.04E-03
ODP	kg CFC-11 eq.	4.10E-07	2.53E-07	1.26E-08	5.42E-09	0.00E+00	2.40E-08	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	6.23E-12	1.39E-09
Resource use																
NRPR _E	MJ	2.08E+02	1.14E+02	1.13E+01	2.61E+00	0.00E+00	2.22E+01	0.00E+00	5.45E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E+00	5.74E-03	1.18E+00
NRPR _M	kg	1.58E+00	1.07E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	0.00E+00	4.90E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.89E+01	1.57E+01	1.55E-01	3.28E-01	0.00E+00	9.16E+00	0.00E+00	3.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-03	1.66E-04	1.32E-02
RPR _M	kg	7.18E-01	7.02E-01	0.00E+00	1.40E-02	0.00E+00	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.25E+02	1.27E+02	1.05E+01	2.83E+00	0.00E+00	1.93E+01	0.00E+00	6.22E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+00	5.19E-03	1.09E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.01E-01	8.62E-02	1.54E-03	1.31E-03	0.00E+00	7.59E-02	0.00E+00	3.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	1.26E-05	6.40E-04
Waste*																
HWD	kg	1.33E-01	5.82E-02	0.00E+00	4.34E-02	0.00E+00	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-02	0.00E+00
NHWD	kg	3.72E+00	1.03E-01	0.00E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E+00
HLRW	m³	9.09E-09	5.57E-09	1.29E-10	1.52E-10	0.00E+00	8.25E-10	0.00E+00	2.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-12	1.02E-13	1.12E-11
ILLRW	m³	4.27E-08	2.46E-08	6.69E-10	5.36E-10	0.00E+00	4.50E-09	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-11	5.06E-13	5.85E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	8.51E-02	5.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 50

System: Sikafloor® Smooth Epoxy

Application: Commercial

Reference flow over the service life (kg/m²): 4.19E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.16E+01	3.49E+00	2.09E-01	7.49E-02	0.00E+00	1.22E+00	0.00E+00	1.61E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-01	2.00E-01	7.35E-02
AP	kg SO ₂ eq.	8.63E-02	1.43E-02	4.34E-04	3.00E-04	0.00E+00	5.00E-03	0.00E+00	6.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	1.63E-05	3.67E-04
EP	kg N eq.	7.68E-02	1.28E-02	2.05E-04	2.62E-04	0.00E+00	6.05E-03	0.00E+00	5.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	3.75E-05	8.53E-05
SFP	kg O ₃ eq.	1.64E+00	1.78E-01	7.22E-03	9.94E-02	0.00E+00	6.71E-02	0.00E+00	1.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-02	5.05E-04	9.69E-03
ODP	kg CFC-11 eq.	6.34E-07	1.09E-07	3.45E-09	2.27E-09	0.00E+00	2.40E-08	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	1.93E-11	1.68E-09
Resource use																
NRPR _E	MJ	3.12E+02	5.01E+01	3.10E+00	1.08E+00	0.00E+00	2.22E+01	0.00E+00	2.32E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E+00	1.78E-02	1.42E+00
NRPR _M	kg	2.83E+00	5.27E-01	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	2.30E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.84E+01	3.61E+00	4.25E-02	7.48E-02	0.00E+00	9.16E+00	0.00E+00	1.55E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	5.13E-04	1.59E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.55E+02	5.88E+01	2.87E+00	1.25E+00	0.00E+00	1.93E+01	0.00E+00	2.69E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E+00	1.61E-02	1.32E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.39E-01	2.99E-02	4.22E-04	5.47E-04	0.00E+00	7.59E-02	0.00E+00	1.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.92E-05	7.72E-04
Waste*																
HWD	kg	1.14E-01	6.99E-03	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-02	0.00E+00
NHWD	kg	4.34E+00	1.52E-02	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	1.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E+00
HLRW	m ³	1.34E-08	2.32E-09	3.54E-11	5.33E-11	0.00E+00	8.25E-10	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-11	3.15E-13	1.35E-11
ILLRW	m ³	7.31E-08	1.26E-08	1.83E-10	2.62E-10	0.00E+00	4.50E-09	0.00E+00	5.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-11	1.57E-12	7.05E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	9.04E-02	6.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 51

System: Sikafloor® Smooth Epoxy

Application: Commercial

Reference flow over the service life (kg/m²): 3.06E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.61E+01	3.49E+00	2.09E-01	7.49E-02	0.00E+00	1.22E+00	0.00E+00	1.07E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-01	1.45E-01	5.35E-02
AP	kg SO ₂ eq.	6.43E-02	1.43E-02	4.34E-04	3.00E-04	0.00E+00	5.00E-03	0.00E+00	4.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.19E-05	2.67E-04
EP	kg N eq.	5.76E-02	1.28E-02	2.05E-04	2.62E-04	0.00E+00	6.05E-03	0.00E+00	3.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	2.73E-05	6.21E-05
SFP	kg O ₃ eq.	1.22E+00	1.78E-01	7.22E-03	9.94E-02	0.00E+00	6.71E-02	0.00E+00	8.36E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	3.67E-04	7.05E-03
ODP	kg CFC-11 eq.	4.70E-07	1.09E-07	3.45E-09	2.27E-09	0.00E+00	2.40E-08	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	1.40E-11	1.22E-09
Resource use																
NRPR _E	MJ	2.34E+02	5.01E+01	3.10E+00	1.08E+00	0.00E+00	2.22E+01	0.00E+00	1.54E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E+00	1.29E-02	1.03E+00
NRPR _M	kg	2.07E+00	5.27E-01	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	1.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.32E+01	3.61E+00	4.25E-02	7.48E-02	0.00E+00	9.16E+00	0.00E+00	1.03E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-03	3.73E-04	1.16E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.64E+02	5.88E+01	2.87E+00	1.25E+00	0.00E+00	1.93E+01	0.00E+00	1.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E+00	1.17E-02	9.59E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	1.95E-01	2.99E-02	4.22E-04	5.47E-04	0.00E+00	7.59E-02	0.00E+00	8.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.85E-05	5.62E-04
Waste*																
HWD	kg	8.34E-02	6.99E-03	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-02	0.00E+00
NHWD	kg	3.16E+00	1.52E-02	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	8.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E+00
HLRW	m³	1.00E-08	2.32E-09	3.54E-11	5.33E-11	0.00E+00	8.25E-10	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-12	2.30E-13	9.85E-12
ILLRW	m³	5.46E-08	1.26E-08	1.83E-10	2.62E-10	0.00E+00	4.50E-09	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-11	1.14E-12	5.13E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	6.77E-02	6.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 52

System: Sikafloor® Smooth Epoxy

Application: Industrial

Reference flow over the service life (kg/m²): 7.59E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market and technical service life: 5 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.81E+01	3.49E+00	2.09E-01	7.49E-02	0.00E+00	1.22E+00	0.00E+00	3.22E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-01	3.62E-01	1.33E-01
AP	kg SO ₂ eq.	1.52E-01	1.43E-02	4.34E-04	3.00E-04	0.00E+00	5.00E-03	0.00E+00	1.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	2.97E-05	6.67E-04
EP	kg N eq.	1.34E-01	1.28E-02	2.05E-04	2.62E-04	0.00E+00	6.05E-03	0.00E+00	1.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	6.81E-05	1.55E-04
SFP	kg O ₃ eq.	2.93E+00	1.78E-01	7.22E-03	9.94E-02	0.00E+00	6.71E-02	0.00E+00	2.51E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-02	9.16E-04	1.76E-02
ODP	kg CFC-11 eq.	1.13E-06	1.09E-07	3.45E-09	2.27E-09	0.00E+00	2.40E-08	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	3.50E-11	3.04E-09
Resource use																
NRPR _E	MJ	5.47E+02	5.01E+01	3.10E+00	1.08E+00	0.00E+00	2.22E+01	0.00E+00	4.63E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E+00	3.23E-02	2.58E+00
NRPR _M	kg	5.13E+00	5.27E-01	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	4.59E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.39E+01	3.61E+00	4.25E-02	7.48E-02	0.00E+00	9.16E+00	0.00E+00	3.09E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-02	9.31E-04	2.88E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	6.27E+02	5.88E+01	2.87E+00	1.25E+00	0.00E+00	1.93E+01	0.00E+00	5.38E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E+00	2.92E-02	2.39E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.72E-01	2.99E-02	4.22E-04	5.47E-04	0.00E+00	7.59E-02	0.00E+00	2.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	7.11E-05	1.40E-03
Waste*																
HWD	kg	2.05E-01	6.99E-03	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	4.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-01	0.00E+00
NHWD	kg	7.87E+00	1.52E-02	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	2.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E+00
HLRW	m³	2.36E-08	2.32E-09	3.54E-11	5.33E-11	0.00E+00	8.25E-10	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-11	5.73E-13	2.46E-11
ILLRW	m³	1.29E-07	1.26E-08	1.83E-10	2.62E-10	0.00E+00	4.50E-09	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-10	2.85E-12	1.28E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.58E-01	6.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 53

System: Sikafloor® Terrazzo

Application: Commercial

Reference flow over the service life (kg/m²): 5.84E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.42E+01	2.89E+01	1.56E+00	6.24E-01	0.00E+00	1.22E+00	0.00E+00	1.27E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-01	2.73E-01	1.01E-01
AP	kg SO ₂ eq.	1.44E-01	1.25E-01	3.21E-03	2.63E-03	0.00E+00	5.00E-03	0.00E+00	6.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.24E-05	5.03E-04
EP	kg N eq.	1.28E-01	1.12E-01	1.52E-03	2.30E-03	0.00E+00	6.05E-03	0.00E+00	5.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	5.14E-05	1.17E-04
SFP	kg O ₃ eq.	2.77E+00	1.52E+00	5.35E-02	8.41E-01	0.00E+00	6.71E-02	0.00E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-02	6.91E-04	1.33E-02
ODP	kg CFC-11 eq.	1.01E-06	8.98E-07	2.56E-08	1.87E-08	0.00E+00	2.40E-08	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	2.64E-11	2.30E-09
Resource use																
NRPR _E	MJ	4.85E+02	4.08E+02	2.30E+01	8.85E+00	0.00E+00	2.22E+01	0.00E+00	1.71E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E+00	2.43E-02	1.94E+00
NRPR _M	kg	4.13E+00	3.88E+00	0.00E+00	7.75E-02	0.00E+00	0.00E+00	0.00E+00	1.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.87E+01	2.75E+01	3.14E-01	5.80E-01	0.00E+00	9.16E+00	0.00E+00	1.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	7.02E-04	2.17E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.41E+02	4.66E+02	2.13E+01	9.94E+00	0.00E+00	1.93E+01	0.00E+00	1.98E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E+00	2.20E-02	1.80E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.36E-01	2.39E-01	3.12E-03	4.06E-03	0.00E+00	7.59E-02	0.00E+00	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	5.36E-05	1.06E-03
Waste*																
HWD	kg	1.53E-01	3.70E-02	0.00E+00	7.40E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-01	0.00E+00
NHWD	kg	6.07E+00	8.73E-02	0.00E+00	2.59E-01	0.00E+00	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E+00
HLRW	m ³	2.21E-08	1.98E-08	2.63E-10	4.83E-10	0.00E+00	8.25E-10	0.00E+00	7.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-11	4.32E-13	1.85E-11
ILLRW	m ³	1.21E-07	1.09E-07	1.36E-09	2.28E-09	0.00E+00	4.50E-09	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-11	2.15E-12	9.65E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.51E-01	3.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 54

System: Sikafloor® Terrazzo

Application: Commercial

Reference flow over the service life (kg/m²): 5.73E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 60 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.36E+01	2.89E+01	1.56E+00	6.24E-01	0.00E+00	1.22E+00	0.00E+00	6.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-01	2.68E-01	9.88E-02
AP	kg SO ₂ eq.	1.41E-01	1.25E-01	3.21E-03	2.63E-03	0.00E+00	5.00E-03	0.00E+00	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.20E-05	4.93E-04
EP	kg N eq.	1.25E-01	1.12E-01	1.52E-03	2.30E-03	0.00E+00	6.05E-03	0.00E+00	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	5.04E-05	1.15E-04
SFP	kg O ₃ eq.	2.65E+00	1.52E+00	5.35E-02	8.41E-01	0.00E+00	6.71E-02	0.00E+00	1.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-02	6.78E-04	1.30E-02
ODP	kg CFC-11 eq.	9.91E-07	8.98E-07	2.56E-08	1.87E-08	0.00E+00	2.40E-08	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	2.59E-11	2.25E-09
Resource use																
NRPR _E	MJ	4.76E+02	4.08E+02	2.30E+01	8.85E+00	0.00E+00	2.22E+01	0.00E+00	8.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E+00	2.39E-02	1.91E+00
NRPR _M	kg	4.04E+00	3.88E+00	0.00E+00	7.75E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.81E+01	2.75E+01	3.14E-01	5.80E-01	0.00E+00	9.16E+00	0.00E+00	5.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	6.89E-04	2.13E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.31E+02	4.66E+02	2.13E+01	9.94E+00	0.00E+00	1.93E+01	0.00E+00	9.89E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E+00	2.16E-02	1.77E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.30E-01	2.39E-01	3.12E-03	4.06E-03	0.00E+00	7.59E-02	0.00E+00	6.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	5.26E-05	1.04E-03
Waste*																
HWD	kg	1.51E-01	3.70E-02	0.00E+00	7.40E-04	0.00E+00	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-01	0.00E+00
NHWD	kg	5.96E+00	8.73E-02	0.00E+00	2.59E-01	0.00E+00	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E+00
HLRW	m ³	2.18E-08	1.98E-08	2.63E-10	4.83E-10	0.00E+00	8.25E-10	0.00E+00	3.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-11	4.24E-13	1.82E-11
ILLRW	m ³	1.19E-07	1.09E-07	1.36E-09	2.28E-09	0.00E+00	4.50E-09	0.00E+00	1.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-11	2.11E-12	9.47E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.49E-01	3.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Legend																
GWP	Global warming potential (GWP ₁₀₀)			RE _{DWPS}	Recovered energy from disposal of waste in previous systems			HLRW	High-level radioactive waste			B1, B2, B3	Use, Maintenance, Repair			
AP	Acidification potential			ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials			ILLRW	Intermediate/low-level radioactive waste			B4	Replacement			
EP	Eutrophication potential			SM	Secondary materials			Reuse	Components for reuse			B5	Refurbishment			
SFP	Smog formation potential			RSF	Renewable secondary fuels			Recycling	Materials for recycling			B6	Operational energy use			
ODP	Ozone depletion potential			NRSF	Non-renewable secondary fuels			MER	Material for energy recovery			B7	Operational water use			
NRPR _E	Non-renewable primary resources used as an energy carrier			FW	Consumption of fresh water			EE	Exported energy			C1	De-construction/Demolition			
NRPR _M	Non-renewable primary resources with energy content used as a material			HWD	Hazardous waste disposed			A1-3	Production stage			C2	Transport			
RPR _E	Renewable primary resources used as an energy carrier			NHWD	Non-hazardous waste disposed			A4	Transport to site			C3	Waste processing			
RPR _M	Renewable primary resources with energy content used as a material						A5	Installation			C4	Disposal				

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 55

System: Sikafloor® Metallic FX

Application: Commercial

Reference flow over the service life (kg/m²): 4.28E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.11E+01	5.28E+00	2.41E-01	1.13E-01	0.00E+00	1.22E+00	0.00E+00	2.38E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-01	2.04E-01	7.51E-02
AP	kg SO ₂ eq.	1.21E-01	2.11E-02	4.98E-04	4.43E-04	0.00E+00	5.00E-03	0.00E+00	9.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	1.67E-05	3.75E-04
EP	kg N eq.	1.11E-01	1.96E-02	2.36E-04	4.01E-04	0.00E+00	6.05E-03	0.00E+00	8.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	3.83E-05	8.72E-05
SFP	kg O ₃ eq.	2.09E+00	2.64E-01	8.30E-03	1.09E-01	0.00E+00	6.71E-02	0.00E+00	1.60E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-02	5.16E-04	9.90E-03
ODP	kg CFC-11 eq.	9.09E-07	1.62E-07	3.97E-09	3.35E-09	0.00E+00	2.40E-08	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	1.97E-11	1.71E-09
Resource use																
NRPR _E	MJ	4.49E+02	7.56E+01	3.57E+00	1.63E+00	0.00E+00	2.22E+01	0.00E+00	3.42E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E+00	1.82E-02	1.45E+00
NRPR _M	kg	3.99E+00	7.51E-01	0.00E+00	1.50E-02	0.00E+00	0.00E+00	0.00E+00	3.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.68E+01	5.23E+00	4.88E-02	1.11E-01	0.00E+00	9.16E+00	0.00E+00	2.22E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-02	5.24E-04	1.62E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.04E+02	8.69E+01	3.31E+00	1.84E+00	0.00E+00	1.93E+01	0.00E+00	3.89E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E+00	1.64E-02	1.35E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.88E-01	4.02E-02	4.85E-04	6.85E-04	0.00E+00	7.59E-02	0.00E+00	1.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	4.00E-05	7.89E-04
Waste*																
HWD	kg	1.12E-01	5.36E-03	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-02	0.00E+00
NHWD	kg	4.58E+00	1.27E-02	0.00E+00	4.41E-02	0.00E+00	0.00E+00	0.00E+00	2.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E+00
HLRW	m³	2.06E-08	3.64E-09	4.07E-11	9.10E-11	0.00E+00	8.25E-10	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-11	3.22E-13	1.38E-11
ILLRW	m³	1.15E-07	2.04E-08	2.10E-10	4.27E-10	0.00E+00	4.50E-09	0.00E+00	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-11	1.60E-12	7.20E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	9.06E-02	5.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 56

System: Sikafloor® Metallic FX

Application: Commercial

Reference flow over the service life (kg/m²): 3.14E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.31E+01	5.28E+00	2.41E-01	1.13E-01	0.00E+00	1.22E+00	0.00E+00	1.59E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-01	1.50E-01	5.51E-02
AP	kg SO ₂ eq.	8.97E-02	2.11E-02	4.98E-04	4.43E-04	0.00E+00	5.00E-03	0.00E+00	6.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.22E-05	2.75E-04
EP	kg N eq.	8.30E-02	1.96E-02	2.36E-04	4.01E-04	0.00E+00	6.05E-03	0.00E+00	5.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	2.81E-05	6.39E-05
SFP	kg O ₃ eq.	1.55E+00	2.64E-01	8.30E-03	1.09E-01	0.00E+00	6.71E-02	0.00E+00	1.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-02	3.78E-04	7.26E-03
ODP	kg CFC-11 eq.	6.70E-07	1.62E-07	3.97E-09	3.35E-09	0.00E+00	2.40E-08	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	1.44E-11	1.26E-09
Resource use																
NRPR _E	MJ	3.34E+02	7.56E+01	3.57E+00	1.63E+00	0.00E+00	2.22E+01	0.00E+00	2.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E+00	1.33E-02	1.06E+00
NRPR _M	kg	2.92E+00	7.51E-01	0.00E+00	1.50E-02	0.00E+00	0.00E+00	0.00E+00	2.15E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.94E+01	5.23E+00	4.88E-02	1.11E-01	0.00E+00	9.16E+00	0.00E+00	1.48E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-03	3.84E-04	1.19E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.74E+02	8.69E+01	3.31E+00	1.84E+00	0.00E+00	1.93E+01	0.00E+00	2.59E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E+00	1.20E-02	9.86E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.31E-01	4.02E-02	4.85E-04	6.85E-04	0.00E+00	7.59E-02	0.00E+00	1.13E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.93E-05	5.78E-04
Waste*																
HWD	kg	8.22E-02	5.36E-03	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-02	0.00E+00
NHWD	kg	3.35E+00	1.27E-02	0.00E+00	4.41E-02	0.00E+00	0.00E+00	0.00E+00	1.72E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E+00
HLRW	m ³	1.53E-08	3.64E-09	4.07E-11	9.10E-11	0.00E+00	8.25E-10	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-12	2.36E-13	1.01E-11
ILLRW	m ³	8.55E-08	2.04E-08	2.10E-10	4.27E-10	0.00E+00	4.50E-09	0.00E+00	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-11	1.17E-12	5.28E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	6.78E-02	5.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 57

System: Sikalastic®-3900 Traffic System (light)

Application: Commercial

Reference flow over the service life (kg/m²): 4.86E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.51E+01	1.04E+01	4.43E-01	2.31E-01	0.00E+00	1.22E+00	0.00E+00	2.24E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-01	1.48E-01	8.25E-02
AP	kg SO ₂ eq.	1.22E-01	3.42E-02	9.14E-04	7.27E-04	0.00E+00	5.00E-03	0.00E+00	7.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.21E-05	4.12E-04
EP	kg N eq.	1.44E-01	3.94E-02	4.32E-04	5.95E-03	0.00E+00	6.05E-03	0.00E+00	9.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.77E-05	9.58E-05
SFP	kg O ₃ eq.	1.74E+00	4.18E-01	1.52E-02	7.35E-02	0.00E+00	6.71E-02	0.00E+00	1.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-02	3.73E-04	1.09E-02
ODP	kg CFC-11 eq.	9.76E-07	2.55E-07	7.28E-09	5.33E-09	0.00E+00	2.40E-08	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	1.43E-11	1.88E-09
Resource use																
NRPR _E	MJ	4.20E+02	1.11E+02	6.55E+00	2.44E+00	0.00E+00	2.22E+01	0.00E+00	2.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+00	1.31E-02	1.59E+00
NRPR _M	kg	4.08E+00	1.15E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	0.00E+00	2.91E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	5.46E+01	1.50E+01	8.94E-02	3.13E-01	0.00E+00	9.16E+00	0.00E+00	2.99E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	3.79E-04	1.78E-02
RPR _M	kg	1.26E+00	5.47E-01	0.00E+00	1.09E-02	0.00E+00	0.00E+00	0.00E+00	6.98E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.70E+02	1.27E+02	6.07E+00	2.73E+00	0.00E+00	1.93E+01	0.00E+00	3.11E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E+00	1.19E-02	1.48E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	3.61E-01	8.46E-02	8.89E-04	1.33E-03	0.00E+00	7.59E-02	0.00E+00	1.98E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.90E-05	8.66E-04
Waste*																
HWD	kg	2.94E-01	6.46E-02	0.00E+00	3.32E-02	0.00E+00	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-02	0.00E+00
NHWD	kg	5.30E+00	1.14E-01	0.00E+00	9.10E-02	0.00E+00	0.00E+00	0.00E+00	4.19E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E+00
HLRW	m³	2.07E-08	5.71E-09	7.46E-11	1.50E-10	0.00E+00	8.25E-10	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-11	2.33E-13	1.52E-11
ILLRW	m³	9.82E-08	2.62E-08	3.85E-10	5.60E-10	0.00E+00	4.50E-09	0.00E+00	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-11	1.16E-12	7.91E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.26E-01	6.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 58

System: Sikalastic®-3900 Traffic System (light)

Application: Commercial

Reference flow over the service life (kg/m²): 3.81E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.75E+01	1.04E+01	4.43E-01	2.31E-01	0.00E+00	1.22E+00	0.00E+00	1.49E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-01	1.15E-01	6.40E-02
AP	kg SO ₂ eq.	9.52E-02	3.42E-02	9.14E-04	7.27E-04	0.00E+00	5.00E-03	0.00E+00	5.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	9.38E-06	3.20E-04
EP	kg N eq.	1.13E-01	3.94E-02	4.32E-04	5.63E-03	0.00E+00	6.05E-03	0.00E+00	6.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	2.15E-05	7.43E-05
SFP	kg O ₃ eq.	1.35E+00	4.18E-01	1.52E-02	7.35E-02	0.00E+00	6.71E-02	0.00E+00	7.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-02	2.90E-04	8.44E-03
ODP	kg CFC-11 eq.	7.48E-07	2.55E-07	7.28E-09	5.33E-09	0.00E+00	2.40E-08	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	1.11E-11	1.46E-09
Resource use																
NRPR _E	MJ	3.28E+02	1.11E+02	6.55E+00	2.44E+00	0.00E+00	2.22E+01	0.00E+00	1.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E+00	1.02E-02	1.24E+00
NRPR _M	kg	3.11E+00	1.15E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	0.00E+00	1.94E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.46E+01	1.50E+01	8.94E-02	3.13E-01	0.00E+00	9.16E+00	0.00E+00	2.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-02	2.94E-04	1.38E-02
RPR _M	kg	1.02E+00	5.47E-01	0.00E+00	1.09E-02	0.00E+00	0.00E+00	0.00E+00	4.65E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.65E+02	1.27E+02	6.07E+00	2.72E+00	0.00E+00	1.93E+01	0.00E+00	2.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E+00	9.22E-03	1.15E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.95E-01	8.46E-02	8.89E-04	1.36E-03	0.00E+00	7.59E-02	0.00E+00	1.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.25E-05	6.72E-04
Waste*																
HWD	kg	2.29E-01	6.46E-02	0.00E+00	2.61E-02	0.00E+00	0.00E+00	0.00E+00	9.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-02	0.00E+00
NHWD	kg	4.12E+00	1.14E-01	0.00E+00	9.10E-02	0.00E+00	0.00E+00	0.00E+00	2.79E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E+00
HLRW	m ³	1.61E-08	5.71E-09	7.46E-11	1.50E-10	0.00E+00	8.25E-10	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-12	1.81E-13	1.18E-11
ILLRW	m ³	7.60E-08	2.62E-08	3.85E-10	5.59E-10	0.00E+00	4.50E-09	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-11	8.99E-13	6.14E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.12E-01	6.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 59

System: Sikalastic®-3900 Traffic System (light)

Application: Industrial

Reference flow over the service life (kg/m²): 8.00E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market and technical service life: 5 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	5.78E+01	1.04E+01	4.43E-01	2.34E-01	0.00E+00	1.22E+00	0.00E+00	4.48E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-01	2.47E-01	1.38E-01
AP	kg SO ₂ eq.	2.03E-01	3.42E-02	9.14E-04	7.29E-04	0.00E+00	5.00E-03	0.00E+00	1.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	2.02E-05	6.89E-04
EP	kg N eq.	2.36E-01	3.94E-02	4.32E-04	6.88E-03	0.00E+00	6.05E-03	0.00E+00	1.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.64E-05	1.60E-04
SFP	kg O ₃ eq.	2.88E+00	4.18E-01	1.52E-02	7.36E-02	0.00E+00	6.71E-02	0.00E+00	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-02	6.24E-04	1.82E-02
ODP	kg CFC-11 eq.	1.66E-06	2.55E-07	7.28E-09	5.34E-09	0.00E+00	2.40E-08	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	2.38E-11	3.15E-09
Resource use																
NRPR _E	MJ	6.96E+02	1.11E+02	6.55E+00	2.45E+00	0.00E+00	2.22E+01	0.00E+00	5.46E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E+00	2.20E-02	2.66E+00
NRPR _M	kg	6.99E+00	1.15E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	0.00E+00	5.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	8.45E+01	1.50E+01	8.94E-02	3.13E-01	0.00E+00	9.16E+00	0.00E+00	5.99E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-02	6.34E-04	2.98E-02
RPR _M	kg	1.95E+00	5.47E-01	0.00E+00	1.09E-02	0.00E+00	0.00E+00	0.00E+00	1.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	7.84E+02	1.27E+02	6.07E+00	2.73E+00	0.00E+00	1.93E+01	0.00E+00	6.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E+00	1.99E-02	2.47E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	5.59E-01	8.46E-02	8.89E-04	1.25E-03	0.00E+00	7.59E-02	0.00E+00	3.95E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.84E-05	1.45E-03
Waste*																
HWD	kg	4.92E-01	6.46E-02	0.00E+00	5.47E-02	0.00E+00	0.00E+00	0.00E+00	2.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-01	0.00E+00
NHWD	kg	8.87E+00	1.14E-01	0.00E+00	9.10E-02	0.00E+00	0.00E+00	0.00E+00	8.38E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E+00
HLRW	m ³	3.47E-08	5.71E-09	7.46E-11	1.50E-10	0.00E+00	8.25E-10	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-11	3.90E-13	2.54E-11
ILLRW	m ³	1.65E-07	2.62E-08	3.85E-10	5.60E-10	0.00E+00	4.50E-09	0.00E+00	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-10	1.94E-12	1.32E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.68E-01	6.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW _{P100})
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 60

System: Sikalastic®-3900 Traffic System (medium, heavy)

Application: Commercial

Reference flow over the service life (kg/m²): 9.28E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	6.64E+01	1.45E+01	6.21E-01	3.28E-01	0.00E+00	1.22E+00	0.00E+00	4.89E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-01	2.03E-01	1.59E-01
AP	kg SO ₂ eq.	2.34E-01	4.93E-02	1.28E-03	1.05E-03	0.00E+00	5.00E-03	0.00E+00	1.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	1.66E-05	7.95E-04
EP	kg N eq.	2.73E-01	5.58E-02	6.06E-04	1.03E-02	0.00E+00	6.05E-03	0.00E+00	2.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.81E-05	1.85E-04
SFP	kg O ₃ eq.	3.32E+00	6.05E-01	2.14E-02	1.02E-01	0.00E+00	6.71E-02	0.00E+00	2.45E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-02	5.13E-04	2.10E-02
ODP	kg CFC-11 eq.	1.92E-06	3.83E-07	1.02E-08	8.01E-09	0.00E+00	2.40E-08	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.96E-11	3.63E-09
Resource use																
NRPR _E	MJ	8.01E+02	1.61E+02	9.20E+00	3.55E+00	0.00E+00	2.22E+01	0.00E+00	5.96E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E+00	1.80E-02	3.07E+00
NRPR _M	kg	8.10E+00	1.71E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	0.00E+00	6.36E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	9.60E+01	2.08E+01	1.26E-01	4.33E-01	0.00E+00	9.16E+00	0.00E+00	6.54E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-02	5.21E-04	3.43E-02
RPR _M	kg	2.22E+00	6.82E-01	0.00E+00	1.36E-02	0.00E+00	0.00E+00	0.00E+00	1.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	9.04E+02	1.84E+02	8.52E+00	3.97E+00	0.00E+00	1.93E+01	0.00E+00	6.80E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E+00	1.63E-02	2.85E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	6.35E-01	1.23E-01	1.25E-03	1.76E-03	0.00E+00	7.59E-02	0.00E+00	4.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	3.98E-05	1.67E-03
Waste*																
HWD	kg	5.68E-01	9.07E-02	0.00E+00	9.76E-02	0.00E+00	0.00E+00	0.00E+00	2.95E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-02	0.00E+00
NHWD	kg	1.02E+01	1.60E-01	0.00E+00	1.28E-01	0.00E+00	0.00E+00	0.00E+00	9.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E+00
HLRW	m ³	4.00E-08	8.37E-09	1.05E-10	2.17E-10	0.00E+00	8.25E-10	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-11	3.20E-13	2.93E-11
ILLRW	m ³	1.90E-07	3.89E-08	5.41E-10	8.28E-10	0.00E+00	4.50E-09	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-10	1.59E-12	1.53E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.75E-01	9.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GWP ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 61

System: Sikalastic®-3900 Traffic System (medium. heavy)

Application: Commercial

Reference flow over the service life (kg/m²): 6.99E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	4.99E+01	1.45E+01	6.21E-01	3.26E-01	0.00E+00	1.22E+00	0.00E+00	3.26E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-01	1.51E-01	1.19E-01
AP	kg SO ₂ eq.	1.75E-01	4.93E-02	1.28E-03	1.05E-03	0.00E+00	5.00E-03	0.00E+00	1.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	1.24E-05	5.93E-04
EP	kg N eq.	2.05E-01	5.58E-02	6.06E-04	9.23E-03	0.00E+00	6.05E-03	0.00E+00	1.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.84E-05	1.38E-04
SFP	kg O ₃ eq.	2.49E+00	6.05E-01	2.14E-02	1.02E-01	0.00E+00	6.71E-02	0.00E+00	1.63E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-02	3.83E-04	1.56E-02
ODP	kg CFC-11 eq.	1.42E-06	3.83E-07	1.02E-08	8.00E-09	0.00E+00	2.40E-08	0.00E+00	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	1.46E-11	2.71E-09
Resource use																
NRPR _E	MJ	6.00E+02	1.61E+02	9.20E+00	3.54E+00	0.00E+00	2.22E+01	0.00E+00	3.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E+00	1.35E-02	2.29E+00
NRPR _M	kg	5.98E+00	1.71E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	0.00E+00	4.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	7.42E+01	2.08E+01	1.26E-01	4.32E-01	0.00E+00	9.16E+00	0.00E+00	4.36E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-02	3.89E-04	2.56E-02
RPR _M	kg	1.71E+00	6.82E-01	0.00E+00	1.36E-02	0.00E+00	0.00E+00	0.00E+00	1.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	6.75E+02	1.84E+02	8.52E+00	3.97E+00	0.00E+00	1.93E+01	0.00E+00	4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E+00	1.22E-02	2.13E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	4.91E-01	1.23E-01	1.25E-03	1.85E-03	0.00E+00	7.59E-02	0.00E+00	2.88E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	2.97E-05	1.25E-03
Waste*																
HWD	kg	4.24E-01	9.07E-02	0.00E+00	7.33E-02	0.00E+00	0.00E+00	0.00E+00	1.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-02	0.00E+00
NHWD	kg	7.63E+00	1.60E-01	0.00E+00	1.28E-01	0.00E+00	0.00E+00	0.00E+00	6.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E+00
HLRW	m³	2.98E-08	8.37E-09	1.05E-10	2.17E-10	0.00E+00	8.25E-10	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-11	2.39E-13	2.19E-11
ILLRW	m³	1.42E-07	3.89E-08	5.41E-10	8.28E-10	0.00E+00	4.50E-09	0.00E+00	9.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-11	1.19E-12	1.14E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.54E-01	9.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 62

System: Sikalastic®-3900 Traffic System (medium. heavy)

Application: Industrial

Reference flow over the service life (kg/m²): 1.61E+01

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market and technical service life: 5 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.16E+02	1.45E+01	6.21E-01	3.35E-01	0.00E+00	1.22E+00	0.00E+00	9.78E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-01	3.57E-01	2.80E-01
AP	kg SO ₂ eq.	4.10E-01	4.93E-02	1.28E-03	1.05E-03	0.00E+00	5.00E-03	0.00E+00	3.49E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	2.92E-05	1.40E-03
EP	kg N eq.	4.77E-01	5.58E-02	6.06E-04	1.35E-02	0.00E+00	6.05E-03	0.00E+00	4.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.71E-05	3.25E-04
SFP	kg O ₃ eq.	5.83E+00	6.05E-01	2.14E-02	1.02E-01	0.00E+00	6.71E-02	0.00E+00	4.89E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-01	9.03E-04	3.69E-02
ODP	kg CFC-11 eq.	3.41E-06	3.83E-07	1.02E-08	8.03E-09	0.00E+00	2.40E-08	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	3.45E-11	6.39E-09
Resource use																
NRPR _E	MJ	1.40E+03	1.61E+02	9.20E+00	3.57E+00	0.00E+00	2.22E+01	0.00E+00	1.19E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E+00	3.18E-02	5.41E+00
NRPR _M	kg	1.45E+01	1.71E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	0.00E+00	1.27E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.61E+02	2.08E+01	1.26E-01	4.33E-01	0.00E+00	9.16E+00	0.00E+00	1.31E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-02	9.17E-04	6.05E-02
RPR _M	kg	3.75E+00	6.82E-01	0.00E+00	1.36E-02	0.00E+00	0.00E+00	0.00E+00	3.05E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.59E+03	1.84E+02	8.52E+00	3.99E+00	0.00E+00	1.93E+01	0.00E+00	1.36E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E+00	2.87E-02	5.02E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	1.07E+00	1.23E-01	1.25E-03	1.49E-03	0.00E+00	7.59E-02	0.00E+00	8.63E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	7.00E-05	2.94E-03
Waste*																
HWD	kg	1.00E+00	9.07E-02	0.00E+00	1.71E-01	0.00E+00	0.00E+00	0.00E+00	5.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-01	0.00E+00
NHWD	kg	1.80E+01	1.60E-01	0.00E+00	1.28E-01	0.00E+00	0.00E+00	0.00E+00	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E+01
HLRW	m³	7.05E-08	8.37E-09	1.05E-10	2.18E-10	0.00E+00	8.25E-10	0.00E+00	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-11	5.64E-13	5.16E-11
ILLRW	m³	3.35E-07	3.89E-08	5.41E-10	8.29E-10	0.00E+00	4.50E-09	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-10	2.80E-12	2.69E-10
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.40E-01	9.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-01	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 63

System: Sikalastic®-2500 Ground Slab Waterproofing System

Application: Commercial

Reference flow over the service life (kg/m²): 3.12E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 20 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.44E+01	4.04E+00	2.69E-01	9.91E-02	0.00E+00	1.22E+00	0.00E+00	8.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-01	3.72E-02	5.31E-02
AP	kg SO ₂ eq.	5.25E-02	1.51E-02	5.56E-04	3.29E-04	0.00E+00	5.00E-03	0.00E+00	3.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	3.05E-06	2.65E-04
EP	kg N eq.	6.21E-02	1.49E-02	2.63E-04	5.36E-03	0.00E+00	6.05E-03	0.00E+00	3.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	6.99E-06	6.16E-05
SFP	kg O ₃ eq.	8.91E-01	1.96E-01	9.26E-03	6.06E-02	0.00E+00	6.71E-02	0.00E+00	5.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-02	9.40E-05	6.99E-03
ODP	kg CFC-11 eq.	4.09E-07	1.37E-07	4.43E-09	2.89E-09	0.00E+00	2.40E-08	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	3.59E-12	1.21E-09
Resource use																
NRPR _E	MJ	2.05E+02	5.72E+01	3.99E+00	1.28E+00	0.00E+00	2.22E+01	0.00E+00	1.18E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E+00	3.31E-03	1.02E+00
NRPR _M	kg	2.03E+00	6.70E-01	0.00E+00	1.34E-02	0.00E+00	0.00E+00	0.00E+00	1.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.00E+01	6.54E+00	5.44E-02	1.36E-01	0.00E+00	9.16E+00	0.00E+00	1.41E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-03	9.56E-05	1.15E-02
RPR _M	kg	7.76E-02	1.90E-02	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	5.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.35E+02	6.75E+01	3.69E+00	1.47E+00	0.00E+00	1.93E+01	0.00E+00	1.40E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E+00	2.99E-03	9.50E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.39E-01	5.04E-02	5.41E-04	6.78E-04	0.00E+00	7.59E-02	0.00E+00	1.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	7.30E-06	5.57E-04
Waste*																
HWD	kg	1.89E-01	3.93E-02	0.00E+00	4.54E-02	0.00E+00	0.00E+00	0.00E+00	8.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00
NHWD	kg	3.40E+00	6.93E-02	0.00E+00	5.61E-02	0.00E+00	0.00E+00	0.00E+00	2.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E+00
HLRW	m ³	1.05E-08	3.20E-09	4.54E-11	7.73E-11	0.00E+00	8.25E-10	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-12	5.88E-14	9.77E-12
ILLRW	m ³	4.96E-08	1.51E-08	2.34E-10	3.18E-10	0.00E+00	4.50E-09	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-11	2.92E-13	5.09E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.48E-02	3.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 64

System: Sikalastic®-2500 Ground Slab Waterproofing System

Application: Commercial

Reference flow over the service life (kg/m²): 2.43E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 30 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.15E+01	4.04E+00	2.69E-01	9.81E-02	0.00E+00	1.22E+00	0.00E+00	5.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-01	2.86E-02	4.09E-02
AP	kg SO ₂ eq.	4.21E-02	1.51E-02	5.56E-04	3.29E-04	0.00E+00	5.00E-03	0.00E+00	2.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	2.35E-06	2.04E-04
EP	kg N eq.	4.98E-02	1.49E-02	2.63E-04	4.91E-03	0.00E+00	6.05E-03	0.00E+00	2.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	5.38E-06	4.74E-05
SFP	kg O ₃ eq.	7.08E-01	1.96E-01	9.26E-03	6.06E-02	0.00E+00	6.71E-02	0.00E+00	3.54E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02	7.24E-05	5.38E-03
ODP	kg CFC-11 eq.	3.29E-07	1.37E-07	4.43E-09	2.88E-09	0.00E+00	2.40E-08	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	2.77E-12	9.32E-10
Resource use																
NRPR _E	MJ	1.65E+02	5.72E+01	3.99E+00	1.28E+00	0.00E+00	2.22E+01	0.00E+00	7.85E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E+00	2.55E-03	7.89E-01
NRPR _M	kg	1.58E+00	6.70E-01	0.00E+00	1.34E-02	0.00E+00	0.00E+00	0.00E+00	8.98E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	2.53E+01	6.54E+00	5.44E-02	1.36E-01	0.00E+00	9.16E+00	0.00E+00	9.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-03	7.36E-05	8.82E-03
RPR _M	kg	5.82E-02	1.90E-02	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	1.88E+02	6.75E+01	3.69E+00	1.47E+00	0.00E+00	1.93E+01	0.00E+00	9.36E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E+00	2.30E-03	7.32E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.02E-01	5.04E-02	5.41E-04	7.16E-04	0.00E+00	7.59E-02	0.00E+00	7.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	5.62E-06	4.29E-04
Waste*																
HWD	kg	1.46E-01	3.93E-02	0.00E+00	3.52E-02	0.00E+00	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02	0.00E+00
NHWD	kg	2.62E+00	6.93E-02	0.00E+00	5.61E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E+00
HLRW	m ³	8.37E-09	3.20E-09	4.54E-11	7.73E-11	0.00E+00	8.25E-10	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-12	4.53E-14	7.52E-12
ILLRW	m ³	3.98E-08	1.51E-08	2.34E-10	3.17E-10	0.00E+00	4.50E-09	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-11	2.25E-13	3.92E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.12E-02	3.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 65

System: Sikalastic®-2500 Ground Slab Waterproofing System

Application: Industrial

Reference flow over the service life (kg/m²): 5.19E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	2.31E+01	4.04E+00	2.69E-01	1.02E-01	0.00E+00	1.22E+00	0.00E+00	1.71E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-01	6.29E-02	8.97E-02
AP	kg SO ₂ eq.	8.38E-02	1.51E-02	5.56E-04	3.32E-04	0.00E+00	5.00E-03	0.00E+00	6.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	5.15E-06	4.48E-04
EP	kg N eq.	9.90E-02	1.49E-02	2.63E-04	6.70E-03	0.00E+00	6.05E-03	0.00E+00	7.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	1.18E-05	1.04E-04
SFP	kg O ₃ eq.	1.44E+00	1.96E-01	9.26E-03	6.07E-02	0.00E+00	6.71E-02	0.00E+00	1.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-02	1.59E-04	1.18E-02
ODP	kg CFC-11 eq.	6.48E-07	1.37E-07	4.43E-09	2.90E-09	0.00E+00	2.40E-08	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	6.07E-12	2.04E-09
Resource use																
NRPR _E	MJ	3.25E+02	5.72E+01	3.99E+00	1.29E+00	0.00E+00	2.22E+01	0.00E+00	2.35E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+00	5.59E-03	1.73E+00
NRPR _M	kg	3.38E+00	6.70E-01	0.00E+00	1.34E-02	0.00E+00	0.00E+00	0.00E+00	2.69E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	4.40E+01	6.54E+00	5.44E-02	1.36E-01	0.00E+00	9.16E+00	0.00E+00	2.81E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-02	1.61E-04	1.94E-02
RPR _M	kg	1.36E-01	1.90E-02	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	3.77E+02	6.75E+01	3.69E+00	1.48E+00	0.00E+00	1.93E+01	0.00E+00	2.81E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E+00	5.06E-03	1.61E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	3.50E-01	5.04E-02	5.41E-04	5.64E-04	0.00E+00	7.59E-02	0.00E+00	2.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	1.23E-05	9.42E-04
Waste*																
HWD	kg	3.20E-01	3.93E-02	0.00E+00	7.63E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-02	0.00E+00
NHWD	kg	5.75E+00	6.93E-02	0.00E+00	5.61E-02	0.00E+00	0.00E+00	0.00E+00	5.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E+00
HLRW	m ³	1.68E-08	3.20E-09	4.54E-11	7.74E-11	0.00E+00	8.25E-10	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-11	9.93E-14	1.65E-11
ILLRW	m ³	7.90E-08	1.51E-08	2.34E-10	3.18E-10	0.00E+00	4.50E-09	0.00E+00	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-11	4.94E-13	8.60E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	6.55E-02	3.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 66

System: Sikalastic®-2500 Ground Slab Waterproofing System

Application: Industrial

Reference flow over the service life (kg/m²): 3.81E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	1.73E+01	4.04E+00	2.69E-01	1.00E-01	0.00E+00	1.22E+00	0.00E+00	1.14E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-01	4.58E-02	6.53E-02
AP	kg SO ₂ eq.	6.30E-02	1.51E-02	5.56E-04	3.30E-04	0.00E+00	5.00E-03	0.00E+00	4.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	3.75E-06	3.26E-04
EP	kg N eq.	7.44E-02	1.49E-02	2.63E-04	5.81E-03	0.00E+00	6.05E-03	0.00E+00	4.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	8.59E-06	7.57E-05
SFP	kg O ₃ eq.	1.07E+00	1.96E-01	9.26E-03	6.07E-02	0.00E+00	6.71E-02	0.00E+00	7.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-02	1.16E-04	8.60E-03
ODP	kg CFC-11 eq.	4.88E-07	1.37E-07	4.43E-09	2.89E-09	0.00E+00	2.40E-08	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	4.42E-12	1.49E-09
Resource use																
NRPR _E	MJ	2.45E+02	5.72E+01	3.99E+00	1.28E+00	0.00E+00	2.22E+01	0.00E+00	1.57E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E+00	4.07E-03	1.26E+00
NRPR _M	kg	2.48E+00	6.70E-01	0.00E+00	1.34E-02	0.00E+00	0.00E+00	0.00E+00	1.80E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	3.47E+01	6.54E+00	5.44E-02	1.36E-01	0.00E+00	9.16E+00	0.00E+00	1.87E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02	1.18E-04	1.41E-02
RPR _M	kg	9.71E-02	1.90E-02	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	7.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	2.83E+02	6.75E+01	3.69E+00	1.48E+00	0.00E+00	1.93E+01	0.00E+00	1.87E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E+00	3.68E-03	1.17E+00
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.76E-01	5.04E-02	5.41E-04	6.40E-04	0.00E+00	7.59E-02	0.00E+00	1.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	8.98E-06	6.85E-04
Waste*																
HWD	kg	2.33E-01	3.93E-02	0.00E+00	5.57E-02	0.00E+00	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02	0.00E+00
NHWD	kg	4.18E+00	6.93E-02	0.00E+00	5.61E-02	0.00E+00	0.00E+00	0.00E+00	3.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E+00
HLRW	m³	1.26E-08	3.20E-09	4.54E-11	7.74E-11	0.00E+00	8.25E-10	0.00E+00	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-12	7.23E-14	1.20E-11
ILLRW	m³	5.94E-08	1.51E-08	2.34E-10	3.18E-10	0.00E+00	4.50E-09	0.00E+00	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-11	3.59E-13	6.26E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	5.84E-02	3.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend																	
GWP	Global warming potential (GW/P ₁₀₀)	RE _{DWPS}	Recovered energy from disposal of waste in previous systems	HLRW	High-level radioactive waste	B1, B2, B3	Use, Maintenance, Repair										
AP	Acidification potential	ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials	ILLRW	Intermediate/low-level radioactive waste	B4	Replacement										
EP	Eutrophication potential	SM	Secondary materials	Reuse	Components for reuse	B5	Refurbishment										
SFP	Smog formation potential	RSF	Renewable secondary fuels	Recycling	Materials for recycling	B6	Operational energy use										
ODP	Ozone depletion potential	NRSF	Non-renewable secondary fuels	MER	Material for energy recovery	B7	Operational water use										
NRPR _E	Non-renewable primary resources used as an energy carrier	FW	Consumption of fresh water	EE	Exported energy	C1	De-construction/Demolition										
NRPR _M	Non-renewable primary resources with energy content used as a material	HWD	Hazardous waste disposed	A1-3	Production stage	C2	Transport										
RPR _E	Renewable primary resources used as an energy carrier	NHWD	Non-hazardous waste disposed	A4	Transport to site	C3	Waste processing										
RPR _M	Renewable primary resources with energy content used as a material			A5	Installation	C4	Disposal										

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 67

System: Sikafloor®-3S

Application: Commercial

Reference flow over the service life (kg/m²): 1.69E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market service life: 10 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	4.25E+00	3.41E-01	6.62E-02	1.25E-02	0.00E+00	1.22E+00	0.00E+00	2.50E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-02	0.00E+00	2.96E-02
AP	kg SO ₂ eq.	2.03E-02	1.93E-03	1.37E-04	4.55E-05	0.00E+00	5.00E-03	0.00E+00	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	1.48E-04
EP	kg N eq.	1.99E-02	1.24E-03	6.48E-05	1.92E-03	0.00E+00	6.05E-03	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	3.44E-05
SFP	kg O ₃ eq.	2.15E-01	1.63E-02	2.28E-03	4.83E-04	0.00E+00	6.71E-02	0.00E+00	1.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	0.00E+00	3.90E-03
ODP	kg CFC-11 eq.	8.94E-08	7.80E-09	1.09E-09	1.94E-10	0.00E+00	2.40E-08	0.00E+00	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	0.00E+00	6.75E-10
Resource use																
NRPR _E	MJ	6.08E+01	4.19E+00	9.80E-01	1.17E-01	0.00E+00	2.22E+01	0.00E+00	3.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E+00	0.00E+00	5.72E-01
NRPR _M	kg	1.07E-01	1.50E-02	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	9.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.25E+01	4.49E-01	1.34E-02	9.41E-03	0.00E+00	9.16E+00	0.00E+00	2.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-03	0.00E+00	6.39E-03
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	5.79E+01	4.27E+00	9.08E-01	1.17E-01	0.00E+00	1.93E+01	0.00E+00	3.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-01	0.00E+00	5.31E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	1.20E-01	6.11E-03	1.33E-04	-2.70E-05	0.00E+00	7.59E-02	0.00E+00	3.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	3.11E-04
Waste*																
HWD	kg	4.51E-02	1.62E-03	0.00E+00	3.36E-02	0.00E+00	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	1.76E+00	3.81E-03	0.00E+00	7.58E-03	0.00E+00	0.00E+00	0.00E+00	6.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E+00
HLRW	m ³	2.73E-09	2.55E-10	1.12E-11	5.45E-12	0.00E+00	8.25E-10	0.00E+00	1.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-12	0.00E+00	5.45E-12
ILLRW	m ³	1.37E-08	1.22E-09	5.78E-11	2.62E-11	0.00E+00	4.50E-09	0.00E+00	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-11	0.00E+00	2.84E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.62E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 68

System: Sikafloor®-3S

Application: Commercial

Reference flow over the service life (kg/m²): 1.21E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated technical service life: 15 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	3.38E+00	3.41E-01	6.62E-02	1.16E-02	0.00E+00	1.22E+00	0.00E+00	1.67E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-02	0.00E+00	2.12E-02
AP	kg SO ₂ eq.	1.59E-02	1.93E-03	1.37E-04	4.48E-05	0.00E+00	5.00E-03	0.00E+00	8.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	1.06E-04
EP	kg N eq.	1.59E-02	1.24E-03	6.48E-05	1.50E-03	0.00E+00	6.05E-03	0.00E+00	7.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	2.46E-05
SFP	kg O ₃ eq.	1.73E-01	1.63E-02	2.28E-03	4.64E-04	0.00E+00	6.71E-02	0.00E+00	7.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-03	0.00E+00	2.79E-03
ODP	kg CFC-11 eq.	7.07E-08	7.80E-09	1.09E-09	1.91E-10	0.00E+00	2.40E-08	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-10	0.00E+00	4.82E-10
Resource use																
NRPR _E	MJ	4.98E+01	4.19E+00	9.80E-01	1.15E-01	0.00E+00	2.22E+01	0.00E+00	2.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-01	0.00E+00	4.08E-01
NRPR _M	kg	7.65E-02	1.50E-02	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	6.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.15E+01	4.49E-01	1.34E-02	9.38E-03	0.00E+00	9.16E+00	0.00E+00	1.89E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-03	0.00E+00	4.57E-03
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	4.69E+01	4.27E+00	9.08E-01	1.14E-01	0.00E+00	1.93E+01	0.00E+00	2.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-01	0.00E+00	3.79E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	1.08E-01	6.11E-03	1.33E-04	8.53E-06	0.00E+00	7.59E-02	0.00E+00	2.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	2.22E-04
Waste*																
HWD	kg	3.22E-02	1.62E-03	0.00E+00	2.40E-02	0.00E+00	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	1.26E+00	3.81E-03	0.00E+00	7.58E-03	0.00E+00	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+00
HLRW	m ³	2.19E-09	2.55E-10	1.12E-11	5.42E-12	0.00E+00	8.25E-10	0.00E+00	1.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-12	0.00E+00	3.89E-12
ILLRW	m ³	1.10E-08	1.22E-09	5.78E-11	2.61E-11	0.00E+00	4.50E-09	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-11	0.00E+00	2.03E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.62E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.

*Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.

Table 69

System: Sikafloor®-3S

Application: Industrial

Reference flow over the service life (kg/m²): 3.13E+00

Functional unit: 1 m² of floor coating system (cradle-to-grave)

Estimated market and technical service life: 5 years

Indicators	Units	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Environmental indicators																
GWP	kg CO ₂ eq.	6.84E+00	3.41E-01	6.62E-02	1.53E-02	0.00E+00	1.22E+00	0.00E+00	5.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-01	0.00E+00	5.50E-02
AP	kg SO ₂ eq.	3.34E-02	1.93E-03	1.37E-04	4.75E-05	0.00E+00	5.00E-03	0.00E+00	2.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	2.75E-04
EP	kg N eq.	3.17E-02	1.24E-03	6.48E-05	3.18E-03	0.00E+00	6.05E-03	0.00E+00	2.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	6.38E-05
SFP	kg O ₃ eq.	3.42E-01	1.63E-02	2.28E-03	5.37E-04	0.00E+00	6.71E-02	0.00E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-02	0.00E+00	7.25E-03
ODP	kg CFC-11 eq.	1.46E-07	7.80E-09	1.09E-09	2.03E-10	0.00E+00	2.40E-08	0.00E+00	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	0.00E+00	1.25E-09
Resource use																
NRPR _E	MJ	9.39E+01	4.19E+00	9.80E-01	1.25E-01	0.00E+00	2.22E+01	0.00E+00	6.34E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E+00	0.00E+00	1.06E+00
NRPR _M	kg	1.99E-01	1.50E-02	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RPR _E	MJ	1.53E+01	4.49E-01	1.34E-02	9.51E-03	0.00E+00	9.16E+00	0.00E+00	5.66E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-03	0.00E+00	1.19E-02
RPR _M	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE _{DWPS}	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADP _{fossil}	MJ	9.09E+01	4.27E+00	9.08E-01	1.24E-01	0.00E+00	1.93E+01	0.00E+00	6.34E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E+00	0.00E+00	9.85E-01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	1.59E-01	6.11E-03	1.33E-04	-1.33E-04	0.00E+00	7.59E-02	0.00E+00	7.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	5.78E-04
Waste*																
HWD	kg	8.38E-02	1.62E-03	0.00E+00	6.24E-02	0.00E+00	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	3.27E+00	3.81E-03	0.00E+00	7.58E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E+00
HLRW	m ³	4.37E-09	2.55E-10	1.12E-11	5.54E-12	0.00E+00	8.25E-10	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-12	0.00E+00	1.01E-11
ILLRW	m ³	2.15E-08	1.22E-09	5.78E-11	2.67E-11	0.00E+00	4.50E-09	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-11	0.00E+00	5.27E-11
Output flow																
Reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	1.62E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Legend	
GWP	Global warming potential (GW/P ₁₀₀)
AP	Acidification potential
EP	Eutrophication potential
SFP	Smog formation potential
ODP	Ozone depletion potential
NRPR _E	Non-renewable primary resources used as an energy carrier
NRPR _M	Non-renewable primary resources with energy content used as a material
RPR _E	Renewable primary resources used as an energy carrier
RPR _M	Renewable primary resources with energy content used as a material
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
ADP _{fossil}	Abiotic depletion potential for fossil resources used as energy and materials
SM	Secondary materials
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
FW	Consumption of fresh water
HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
HLRW	High-level radioactive waste
ILLRW	Intermediate/low-level radioactive waste
Reuse	Components for reuse
Recycling	Materials for recycling
MER	Material for energy recovery
EE	Exported energy
A1-3	Production stage
A4	Transport to site
A5	Installation
B1, B2, B3	Use, Maintenance, Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	De-construction/Demolition
C2	Transport
C3	Waste processing
C4	Disposal

Note: "E±Y" means "x 10^{±Y}", e.g., "2.8E-1" means 0.28. Module D is not declared.
 *Significant data limitations currently exist within the LCI data used to generate waste metrics for life cycle assessments and environmental product declarations. The waste metrics were calculated in a way conformant with the requirements of ISO 21930:2017, but these values represent rough estimates (foreground only) and are for informational purposes only. As such, no decisions regarding actual cradle-to-grave waste performance between products should be derived from these reported values.



Table 70 Biogenic CO₂ removal and emissions. carbon content bio-based products. per module. in kg CO₂-eq per m² coated surface

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Commercial-Market															
Sikafloor® Resoclad MRW Type II	0.00E+00	-8.19E-01	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	-1.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02	8.32E-01
Sikafloor® Resoclad MRW Type III	0.00E+00	-1.09E+00	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-6.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-03	1.11E+00
Sikafloor® Decoflake® System (1.5 mm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	0.00E+00	0.00E+00	0.00E+00	-2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.40E-04
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	0.00E+00	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-8.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	8.67E-02
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	0.00E+00	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-1.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	1.62E-01
Sikafloor® Morritex® (trowel)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.94E-03
Sikafloor® Ucrete®	0.00E+00	-9.77E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-1.97E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	1.18E+00
Sikafloor® Quartzite® (broadcast)	0.00E+00	0.00E+00	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	7.05E-04
Sikafloor® Quartzite® (HDB)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	1.95E-03
Sikafloor® Quartzite® (trowel)	0.00E+00	0.00E+00	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	7.57E-04
Sikafloor® Terrazzo	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	0.00E+00	-8.54E-01	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	-1.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-02	1.94E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	-1.07E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	-2.38E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-02	3.44E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	-6.98E-02	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	-2.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.83E-01
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Commercial-Technical															
Sikafloor® Resoclad MRW Type II	0.00E+00	-8.19E-01	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	-9.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-02	8.28E-01
Sikafloor® Resoclad MRW Type III	0.00E+00	-1.09E+00	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-03	1.11E+00
Sikafloor® Decoflake® System (1.5 mm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	0.00E+00	0.00E+00	0.00E+00	-2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.40E-04
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	0.00E+00	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-5.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	5.79E-02
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	0.00E+00	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-1.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.08E-01
Sikafloor® Morritex® (trowel)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.94E-03
Sikafloor® Ucrete®	0.00E+00	-9.77E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-9.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-02	1.08E+00
Sikafloor® Quartzite® (broadcast)	0.00E+00	0.00E+00	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	7.05E-04
Sikafloor® Quartzite® (HDB)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	1.95E-03
Sikafloor® Quartzite® (trowel)	0.00E+00	0.00E+00	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	7.57E-04
Sikafloor® Terrazzo	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikalastic®-3900 Traffic System (light)	0.00E+00	-8.54E-01	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	-7.27E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-02	1.58E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	-1.07E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	-1.59E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-02	2.65E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	-6.98E-02	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	-1.42E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.12E-01
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Market															
Sikafloor® Resoclad MRW Type II	0.00E+00	-8.19E-01	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	-2.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-02	8.46E-01
Sikafloor® Resoclad MRW Type III	0.00E+00	-1.09E+00	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-1.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-03	1.12E+00
Sika® Fastflor® CR (smooth)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	0.00E+00	0.00E+00	0.00E+00	-3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
Sikafloor® ESD Control	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	0.00E+00	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-1.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	1.73E-01
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	0.00E+00	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-3.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	3.23E-01
Sikafloor® Morritex® (trowel)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.94E-03
Sikafloor® Ucrete®	0.00E+00	-9.77E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-2.95E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02	1.28E+00
Sikafloor® Quartzite® (broadcast)	0.00E+00	0.00E+00	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	7.05E-04
Sikafloor® Quartzite® (HDB)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	1.95E-03
Sikafloor® Quartzite® (trowel)	0.00E+00	0.00E+00	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	7.57E-04
Sikalastic®-3900 Traffic System (light)	0.00E+00	-8.54E-01	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	-2.18E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-02	3.01E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	-1.07E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	-4.76E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-02	5.80E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	-6.98E-02	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	-4.27E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03	4.96E-01
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Technical															
Sikafloor® Resoclad MRW Type II	0.00E+00	-8.19E-01	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	-2.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-02	8.46E-01
Sikafloor® Resoclad MRW Type III	0.00E+00	-1.09E+00	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-9.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-03	1.11E+00
Sika® Fastflor® CR (smooth)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	0.00E+00	0.00E+00	0.00E+00	-3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
Sikafloor® ESD Control	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	0.00E+00	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-1.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.15E-01
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	0.00E+00	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-2.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.16E-01
Sikafloor® Morritex® (trowel)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.94E-03
Sikafloor® Ucrete®	0.00E+00	-9.77E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-1.97E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	1.18E+00
Sikafloor® Quartzite® (broadcast)	0.00E+00	0.00E+00	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	7.05E-04

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikafloor® Quartzite® (HDB)	0.00E+00	0.00E+00	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	1.95E-03
Sikafloor® Quartzite® (trowel)	0.00E+00	0.00E+00	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	7.57E-04
Sikalastic®-3900 Traffic System (light)	0.00E+00	-8.54E-01	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	-2.18E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-02	3.01E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	-1.07E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	-4.76E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-02	5.80E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	-6.98E-02	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	-2.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.54E-01
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 71 Biogenic CO₂ removal and emissions. carbon content bio-based packaging. per module. in kg CO₂-eq per m² coated surface

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Commercial-Market															
Sikafloor® Resoclad MRW Type II	0.00E+00	0.00E+00	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-02	0.00E+00
Sikafloor® Resoclad MRW Type III	0.00E+00	-8.58E-03	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-02	1.08E-02
Sikafloor® Decoflake® System (1.5 mm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	0.00E+00	-1.17E-02	0.00E+00	-2.35E-04	0.00E+00	0.00E+00	0.00E+00	-8.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	2.01E-02
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	-2.84E-02	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-9.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.18E-01
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	-7.29E-02	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-1.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	1.78E-01
Sikafloor® Morritex® (trowel)	0.00E+00	-1.01E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-2.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.23E-01
Sikafloor® Ucrete®	0.00E+00	-1.44E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-2.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-02	1.72E-01
Sikafloor® Quartzite® (broadcast)	0.00E+00	-4.93E-02	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	-1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	1.56E-01
Sikafloor® Quartzite® (HDB)	0.00E+00	-1.00E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-2.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.27E-01
Sikafloor® Quartzite® (trowel)	0.00E+00	-4.17E-02	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	-1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	5.97E-02
Sikafloor® Terrazzo	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	0.00E+00	0.00E+00	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	0.00E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	0.00E+00	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Commercial-Technical															
Sikafloor® Resoclad MRW Type II	0.00E+00	0.00E+00	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-02	0.00E+00
Sikafloor® Resoclad MRW Type III	0.00E+00	-8.58E-03	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-02	1.01E-02
Sikafloor® Decoflake® System (1.5 mm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	0.00E+00	-1.17E-02	0.00E+00	-2.35E-04	0.00E+00	0.00E+00	0.00E+00	-5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	1.73E-02
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	-2.84E-02	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-6.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	8.85E-02
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	-7.29E-02	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-7.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	1.43E-01
Sikafloor® Morritex® (trowel)	0.00E+00	-1.01E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.12E-01
Sikafloor® Ucrete®	0.00E+00	-1.44E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-1.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-02	1.58E-01
Sikafloor® Quartzite® (broadcast)	0.00E+00	-4.93E-02	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	-7.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	1.20E-01
Sikafloor® Quartzite® (HDB)	0.00E+00	-1.00E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-1.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.14E-01
Sikafloor® Quartzite® (trowel)	0.00E+00	-4.17E-02	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	-9.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	5.07E-02
Sikafloor® Terrazzo	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikalastic®-3900 Traffic System (light)	0.00E+00	0.00E+00	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	0.00E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	0.00E+00	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Market															
Sikafloor® Resoclad MRW Type II	0.00E+00	0.00E+00	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-02	0.00E+00
Sikafloor® Resoclad MRW Type III	0.00E+00	-8.58E-03	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-4.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-02	1.30E-02
Sika® Fastflor® CR (smooth)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	0.00E+00	-1.72E-02	0.00E+00	-3.43E-04	0.00E+00	0.00E+00	0.00E+00	-1.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	3.65E-02
Sikafloor® ESD Control	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	-2.84E-02	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-1.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	2.09E-01
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	-7.29E-02	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-2.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.83E-01
Sikafloor® Morritex® (trowel)	0.00E+00	-1.01E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-3.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.35E-01
Sikafloor® Ucrete®	0.00E+00	-1.44E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-4.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-02	1.86E-01
Sikafloor® Quartzite® (broadcast)	0.00E+00	-4.93E-02	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	-2.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	2.62E-01
Sikafloor® Quartzite® (HDB)	0.00E+00	-1.00E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-3.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.40E-01
Sikafloor® Quartzite® (trowel)	0.00E+00	-4.17E-02	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	-2.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	6.87E-02
Sikalastic®-3900 Traffic System (light)	0.00E+00	0.00E+00	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	0.00E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	0.00E+00	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Technical															
Sikafloor® Resoclad MRW Type II	0.00E+00	0.00E+00	0.00E+00	-1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-02	0.00E+00
Sikafloor® Resoclad MRW Type III	0.00E+00	-8.58E-03	0.00E+00	-2.20E-02	0.00E+00	0.00E+00	0.00E+00	-2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-02	1.15E-02
Sika® Fastflor® CR (smooth)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	0.00E+00	-1.72E-02	0.00E+00	-3.43E-04	0.00E+00	0.00E+00	0.00E+00	-1.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	3.00E-02
Sikafloor® ESD Control	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	0.00E+00	-2.84E-02	0.00E+00	-5.69E-04	0.00E+00	0.00E+00	0.00E+00	-1.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.48E-01
Sikafloor® Morritex® self-levelling (broadcast)	0.00E+00	-7.29E-02	0.00E+00	-1.46E-03	0.00E+00	0.00E+00	0.00E+00	-1.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.13E-01
Sikafloor® Morritex® (trowel)	0.00E+00	-1.01E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-2.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.23E-01
Sikafloor® Ucrete®	0.00E+00	-1.44E-01	0.00E+00	-2.24E-02	0.00E+00	0.00E+00	0.00E+00	-2.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-02	1.72E-01
Sikafloor® Quartzite® (broadcast)	0.00E+00	-4.93E-02	0.00E+00	-9.85E-04	0.00E+00	0.00E+00	0.00E+00	-1.42E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	1.91E-01

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikafloor® Quartzite® (HDB)	0.00E+00	-1.00E-01	0.00E+00	-2.01E-03	0.00E+00	0.00E+00	0.00E+00	-2.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.27E-01
Sikafloor® Quartzite® (trowel)	0.00E+00	-4.17E-02	0.00E+00	-8.34E-04	0.00E+00	0.00E+00	0.00E+00	-1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	5.97E-02
Sikalastic®-3900 Traffic System (light)	0.00E+00	0.00E+00	0.00E+00	-1.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	0.00E+00	0.00E+00	0.00E+00	-2.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	0.00E+00	0.00E+00	0.00E+00	-1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 72 Biogenic CO₂ emissions. combustion of waste from renewable sources used in product processes. in kg CO₂-eq per m² coated surface

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Commercial-Market															
Sikafloor® Resoclad MRW Type II	1.70E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	8.77E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (1.5 mm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	9.49E-05	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	8.63E-04	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	8.38E-04	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	7.43E-05	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.58E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	2.80E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (HDB)	6.17E-05	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	7.70E-05	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Terrazzo	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	2.58E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	3.25E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	1.47E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Commercial-Technical															
Sikafloor® Resoclad MRW Type II	1.69E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	8.76E-03	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (1.5 mm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	9.49E-05	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	6.47E-04	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	6.47E-04	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	7.43E-05	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.46E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	2.80E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (HDB)	6.17E-05	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	7.70E-05	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Terrazzo	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikalastic®-3900 Traffic System (light)	2.11E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	2.51E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	1.10E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Market															
Sikafloor® Resoclad MRW Type II	1.73E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	8.83E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (smooth)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® ESD Control	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	1.51E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	1.41E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	7.43E-05	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.70E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	2.80E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (HDB)	6.17E-05	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	7.70E-05	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	4.02E-02	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	5.49E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	2.57E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Technical															
Sikafloor® Resoclad MRW Type II	1.73E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	8.79E-03	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (smooth)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® ESD Control	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	1.08E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	1.03E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	7.43E-05	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.58E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	2.80E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikafloor® Quartzite® (HDB)	6.17E-05	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	7.70E-05	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	4.02E-02	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	5.49E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	1.84E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 73 CO₂ emissions. combustion of waste from non-renewable sources used in product processes. in kg CO₂-eq per m² coated surface

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Commercial-Market															
Sikafloor® Resoclad MRW Type II	4.51E-01	2.43E-01	0.00E+00	2.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	7.60E-01	5.60E-01	0.00E+00	2.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (1.5 mm)	5.81E-01	1.36E-01	0.00E+00	4.45E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	9.98E-01	2.54E-01	0.00E+00	7.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	1.47E+01	1.18E+00	0.00E+00	1.35E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	1.54E+01	1.61E+00	0.00E+00	1.38E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	4.52E+00	3.87E+00	0.00E+00	6.49E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.42E+01	1.02E+00	0.00E+00	1.32E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	1.07E+01	4.01E+00	0.00E+00	6.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (HDB)	4.78E+00	4.25E+00	0.00E+00	5.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	1.44E+00	1.08E+00	0.00E+00	3.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Terrazzo	2.53E+00	6.20E-01	0.00E+00	1.91E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	1.54E+00	8.87E-01	0.00E+00	6.53E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	4.17E+00	2.40E+00	0.00E+00	1.77E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	4.77E-01	3.47E-01	0.00E+00	1.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	1.11E+00	8.54E-02	0.00E+00	1.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	1.13E+00	6.71E-02	0.00E+00	1.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	7.96E-03	7.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Commercial-Technical															
Sikafloor® Resoclad MRW Type II	3.77E-01	2.02E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	7.19E-01	5.30E-01	0.00E+00	1.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (1.5 mm)	5.15E-01	1.20E-01	0.00E+00	3.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Decoflake® System (3 mm)	9.26E-01	2.36E-01	0.00E+00	6.90E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	1.11E+01	8.87E-01	0.00E+00	1.02E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	1.21E+01	1.26E+00	0.00E+00	1.08E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	4.40E+00	3.77E+00	0.00E+00	6.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.39E+01	9.96E-01	0.00E+00	1.30E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	9.12E+00	3.41E+00	0.00E+00	5.71E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (HDB)	4.68E+00	4.16E+00	0.00E+00	5.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	1.38E+00	1.03E+00	0.00E+00	3.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Terrazzo	2.49E+00	6.08E-01	0.00E+00	1.88E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikalastic®-3900 Traffic System (light)	1.22E+00	6.88E-01	0.00E+00	5.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	3.20E+00	1.79E+00	0.00E+00	1.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	3.68E-01	2.67E-01	0.00E+00	1.02E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	8.05E-01	6.22E-02	0.00E+00	7.43E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Metallic FX	8.30E-01	4.91E-02	0.00E+00	7.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	5.69E-03	5.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Market															
Sikafloor® Resoclad MRW Type II	6.75E-01	3.63E-01	0.00E+00	3.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	8.83E-01	6.51E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (smooth)	7.87E-02	7.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	1.76E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® ESD Control	1.02E+00	4.82E-01	0.00E+00	5.39E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	2.55E+01	2.05E+00	0.00E+00	2.35E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	2.55E+01	2.67E+00	0.00E+00	2.28E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	4.64E+00	3.98E+00	0.00E+00	6.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.45E+01	1.04E+00	0.00E+00	1.34E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	1.55E+01	5.79E+00	0.00E+00	9.68E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (HDB)	4.88E+00	4.34E+00	0.00E+00	5.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	1.51E+00	1.13E+00	0.00E+00	3.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	2.40E+00	1.48E+00	0.00E+00	9.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	6.78E+00	4.23E+00	0.00E+00	2.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	7.97E-01	5.86E-01	0.00E+00	2.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	2.01E+00	1.55E-01	0.00E+00	1.85E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	1.48E-02	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Industrial- Technical															
Sikafloor® Resoclad MRW Type II	6.75E-01	3.63E-01	0.00E+00	3.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Resoclad MRW Type III	8.01E-01	5.90E-01	0.00E+00	2.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (smooth)	7.87E-02	7.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sika® Fastflor® CR (broadcast)	1.58E-01	1.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® ESD Control	1.02E+00	4.82E-01	0.00E+00	5.39E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (smooth)	1.83E+01	1.47E+00	0.00E+00	1.68E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® self-levelling (broadcast)	1.88E+01	1.96E+00	0.00E+00	1.68E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Morritex® (trowel)	4.52E+00	3.87E+00	0.00E+00	6.49E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Ucrete®	1.42E+01	1.02E+00	0.00E+00	1.32E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (broadcast)	1.23E+01	4.60E+00	0.00E+00	7.69E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

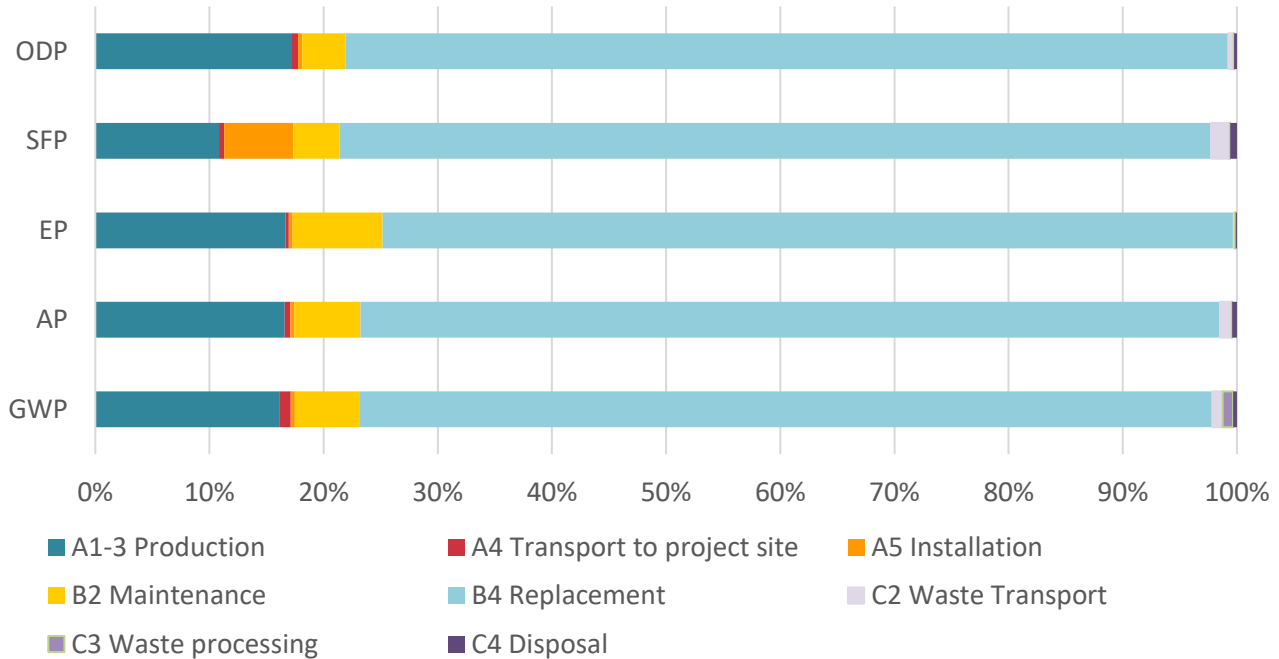
Service life and systems	Total	A1-3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Sikafloor® Quartzite® (HDB)	4.78E+00	4.25E+00	0.00E+00	5.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Quartzite® (trowel)	1.44E+00	1.08E+00	0.00E+00	3.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (light)	2.40E+00	1.48E+00	0.00E+00	9.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-3900 Traffic System (medium & heavy)	6.78E+00	4.23E+00	0.00E+00	2.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikalastic®-2500 Ground Slab Waterproofing System	5.84E-01	4.26E-01	0.00E+00	1.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor® Smooth Epoxy	2.01E+00	1.55E-01	0.00E+00	1.85E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sikafloor®-3S	1.48E-02	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4.6. Life cycle impact assessment – interpretation

Sikafloor® Smooth Epoxy (10-yr commercial market service life)

The interpretation of the Sikafloor® Smooth Epoxy system results is presented in this section. Due to the high number of studied products, this system was selected as a typical resinous floor coating system for the interpretation.

Figure 3: Relative contribution of life cycle modules to potential environmental impacts for 1 m² of Sikafloor® Smooth Epoxy (average coverage, 10-yr commercial market service life)²



GWP = Global warming potential (GWP100); AP = Acidification potential; EP = Eutrophication potential; SFP = Smog formation potential; ODP = Ozone depletion potential.

Potential environmental impact indicators

As observed in Figure 3 for the resinous floor system, the **recoats (B4)** are the main contributors to most indicators. This is due mainly to the raw materials required for recoats over 60 years, especially the **epoxy resin**. After the recoats, the primary contributors are the **raw material supply for the initial system (A1)**, mainly epoxy resin, and **maintenance (B2)**. The production of the **cleaning agent** (non-ionic surfactant) is the source of impacts during maintenance. All other modules are less significant, including Sika’s operations.

An exception is observed for the smog formation indicator, which is related to VOC emissions. For this indicator, the **installation (A5)** is slightly higher in contribution due to the VOC content emission related to the initial flooring system.

Use of resources indicators (total primary energy consumption and material resources consumption)

² Modules B1, B3, B5, B6, B7 and C1 are null.

Except for the indicator “renewable primary energy as material” and “fresh water”, **recoats (B4)** and **raw material supply (A1)** for the installation of the initial system account for most of the impacts.

For the fresh water and the renewable primary energy indicators, the second most significant module in terms of potential impacts after recoating is **maintenance (B2)** for cleaning. Renewable primary energy as material is null in the case of Sikafloor® Smooth Epoxy.

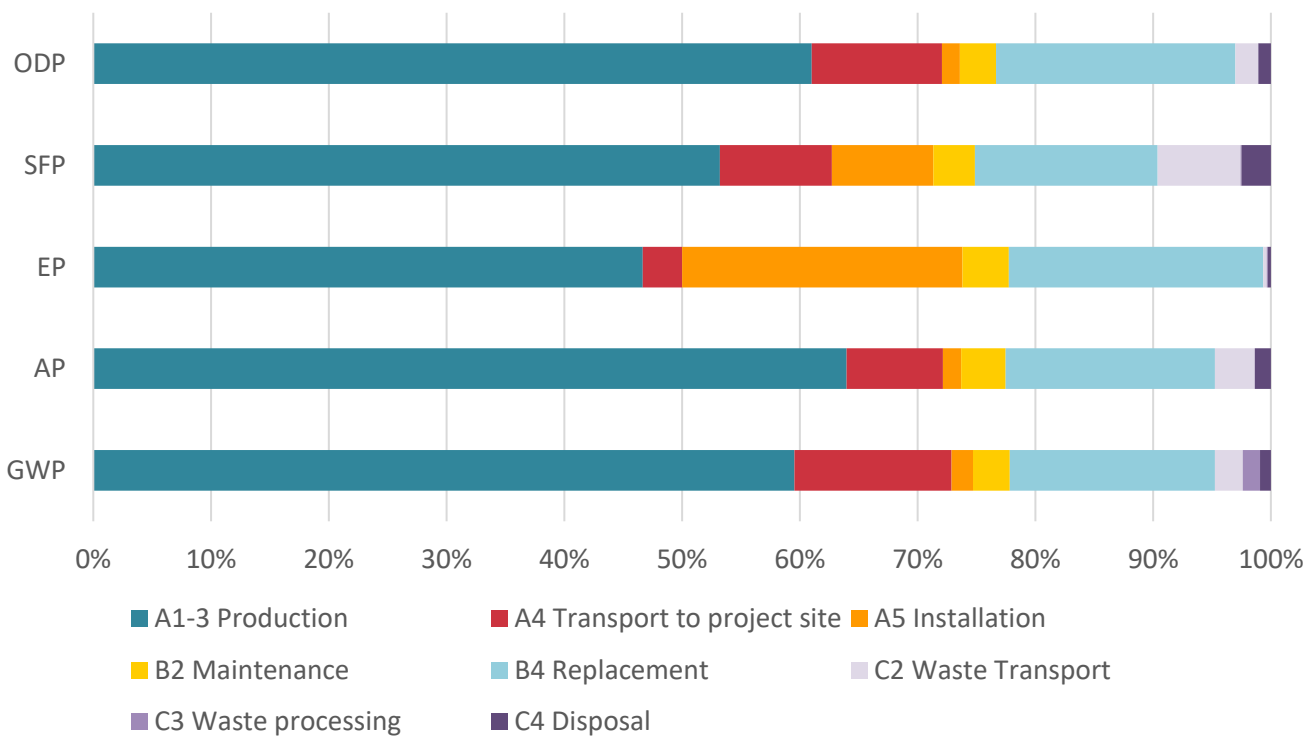
Waste generation indicators

Most of disposed waste is attributed to the **C4 module** and is classified as non-hazardous. It includes the waste generated as part of the initial applied system, all applied recoats and all unused coating over the 60-year period. A small amount of hazardous waste is generated during **manufacturing (A3)**.

Sikafloor® NA Ucrete® (20-yr industrial market service life)

The interpretation of the Sikafloor® NA Ucrete® results is presented in this section. Due to the high number of products studied, this system was selected as a typical cementitious floor system for the interpretation.

Figure 4: Relative contribution of life cycle modules to potential environmental impacts for 1 m² of Sikafloor® NA Ucrete® (average coverage, 20-yr industrial market service life)³



GWP = Global warming potential (GWP100); AP = Acidification potential; EP = Eutrophication potential; SFP = Smog formation potential; ODP = Ozone depletion potential.

³ Modules B1, B3, B5, B6, B7 and C1 are null.

Potential environmental impact indicators

The Sikafloor® Ucrete® floor system is a thick cementitious system containing mostly cement and sand. Therefore, as observed in Figure 4, the life cycle impacts of the **raw material supply (A1)** for the initial system are significant, accounting for most of the life cycle, compared to the recoats (B4). Following the A1 module, the remaining impacts are primarily due to the production stage modules, i.e., **transport of raw materials (A2)**, **manufacturing (A3)**, and **transport to the project site (A4)**. This contribution is explained by the weight of materials needed per square metre.

The **installation (A5)** stage is a contributor to the Eutrophication potential indicator because of the landfilling of plastic packaging.

Use of resources indicators (total primary energy consumption and material resources consumption)

The **material and energy use** indicators are mostly dominated by the **raw material supply (A1)** module. For the use of renewable primary energy resources used as raw material (RPRM), the **replacement (B4)** has the greatest impact on the results since a product containing renewable resources is used during replacements of the Sikafloor® Ucrete® system.

Fresh water is mostly consumed during **raw material supply (A1)** and **maintenance (B2)**.

Waste generation indicators

Most waste disposed is attributed to the **C4 module** and is classified as non-hazardous. It includes the waste generated as part of the initial applied system, all applied recoats and all unused coating over the 60-yr period. A small amount of hazardous waste is generated during **manufacturing (A3)**.

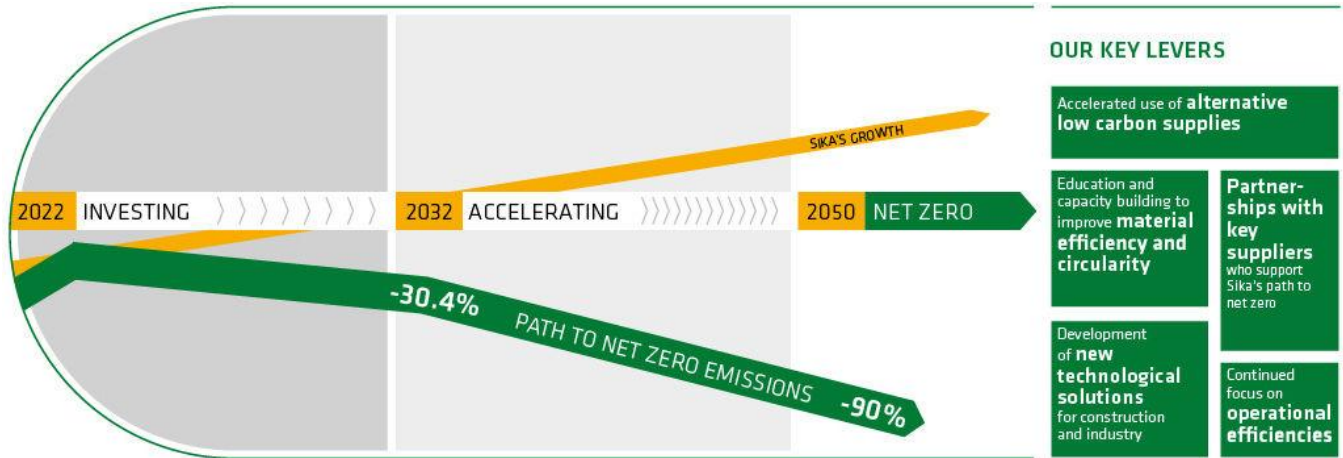
5. Additional environmental information

This section provides additional relevant environmental information about the manufacturer and the floor systems that was not derived from the LCA.

Sika's Commitment to sustainability

Providing long lasting and high-performance solutions to the benefit of our customers, Sika is committed to pioneering sustainable solutions that are safer, have the lowest impact on resources and address global environmental challenges. Therefore, Sika assumes the responsibility to provide sustainable solutions to improve material, water and energy efficiency in construction and transportation. Sika strives to create more value for all its stakeholders with its products, systems and solutions along the whole value chain and throughout the entire life span of its products. In 2023, Sika launched its new strategy for the upcoming five years. **Strategy 2028** lays out ambitious financial targets and non-financial objectives, marking a continued commitment to excellence and expansion. The strategy is based on four key pillars: Market Penetration, Innovation & Sustainability, Acquisitions, People & Culture. It is aligned with eight megatrends that are transforming the industry and driving Sika's continuous success.

Sika is committed to reach **net-zero** no later than 2050. Sika commits to report annually on its progress towards meeting these targets (see figure below). Sika also acknowledges that the latest climate science may change and is committed to reviewing all active targets every 5 years to ensure consistency with the latest Science Based Targets Initiative (SBTi) criteria.



On the perspective of reducing the environmental impacts of their products, some components studied in the present document present a biobased carbon content, measured in accordance with ASTM D6866-24.

SPM | Sustainability Portfolio Management

Sika is the 1st company within the specialty chemicals and building materials sector to develop and implement the Sustainability Portfolio Management (SPM) Concept based on the World Business Council of Sustainable Development framework. The SPM evaluates solutions based on 12 sustainability and 6 performance categories. SPM is used to classify, and market sustainable solutions.

VOC content

System components covered by this EPD contain between 0 and 240 grams of VOC per litre, which complies with national standards and LEED requirements (see Table 74 for detailed VOC content per component). The VOC content was measured according to EPA 24 or ASTM D2369 standard methods.

Table 74: VOC content of components

Components	VOC content (g/L)
Sika® MT Primer	≤ 50
Sikafloor®-222W ESD	~ 1
Sikafloor® DecoFlake®	0
Sikafloor® Duochem-942	≤ 240
Sikafloor® Fastflor CR	~ 1.5
Sikafloor® Terrazzo	< 50
Sika® Ucrete® HS22 NA	~ 5
Sika® Ucrete® RG29 NA	~ 5
Sika® Ucrete® TC31 NA	~ 5
Sika® Ucrete® 33 NA	~ 5
Sikafloor®-3S	0
Sikafloor®-156 ^{CA}	~ 23.5
Sikafloor®-1610	≤ 50
Sikafloor®-1620	10.5
Sikafloor®-217	~ 56
Sikafloor®-219 UTE	~ 28
Sikafloor®-2540W NA	~ 24
Sikafloor®-260 ESD	~ 15
Sikafloor®-261 FS	< 50
Sikafloor®-261 ^{CA}	< 50
Sikafloor®-270 ESD	≤ 25
Sikalastic®-220 FS	< 20
Sikalastic®-2545 w GSC	~ 24
Sikalastic®-2570 W Primer	10
Sikalastic®-390 Membrane	3
Sikalastic®-391N	14
Sikalastic®-394	1
Sikafloor® Aggregate PT	0
Sika® Metallic Powder	0
Quartz aggregates	0
Sikafloor® Broadcast Quartz Aggregate	0
Sikafloor® Trowel Quartz Aggregate	0

Waste packaging management

Sika Canada encourages its customers to responsibly dispose of used packaging. Most of them are recyclable. To make recycling easier, it is recommended to separate used packaging according to their material (paper, plastic

and metal) and ask local municipalities for information about their recycling programs for industrial coating packaging.

6. GLOSSARY

6.1. Acronyms

ADP _{fossil,E}	Abiotic depletion potential for fossil resources used as energy
ADP _{fossil,M}	Abiotic depletion potential for fossil resources used as materials
AP	Acidification potential
CSA	Canadian Standards Association
EP	Eutrophication potential
FW	Consumption of fresh water
GHG	Greenhouse gas
GWP	Global warming potential
HDB	Heavy-duty broadcast
HLRW	High-level radioactive waste
HWD	Hazardous waste disposed
ILLRW	Intermediate/low-level radioactive waste
ISO	International Organization for Standardization
kg CFC-11 eq.	Kilogram of trichlorofluoromethane equivalent
kg CO ₂ eq.	Kilogram of carbon dioxide equivalent
kg N eq.	Kilogram of nitrogen equivalent
kg O ₃ eq.	Kilogram of ozone equivalent
kg SO ₂ eq.	Kilogram of sulphur dioxide equivalent
L	litre
LCA	Life cycle assessment
LEED	Leadership in Energy and Environmental Design
LHV	Lower heating value
MJ	Megajoule
m ²	Square metre
m ³	Cubic metre
NHWD	Non-hazardous waste disposed
NRPRE	Non-renewable primary resources used as an energy carrier
NRPRM	Non-renewable primary resources with energy content used as a material
NRSF	Non-renewable secondary fuels
ODP	Ozone depletion potential
PCR	Product category rules
RE _{DWPS}	Recovered energy from disposal of waste in previous systems
RPRE	Renewable primary resources used as an energy carrier
RPRM	Renewable primary resources with energy content used as a material
RSF	Renewable secondary fuels
SFP	Smog formation potential
SM	Secondary materials
TRACI	Tool for Reduction and Assessment of Chemicals and Other Environmental Impacts
VOC	Volatile organic compound

6.2. Environmental impact categories and parameters assessed

The **acidification potential** refers to the change in acidity (i.e. reduction in pH) in soil and water due to human activity. The increase in NO_x and SO₂ emissions generated by the transportation, manufacturing and energy sectors are the main causes of this impact category. The acidification of land and water has multiple consequences: degradation of aquatic and terrestrial ecosystems, endangering numerous species and food security. The concentration of the gases responsible for the acidification is expressed in sulphur dioxide equivalents (**kg SO₂ equivalent**).

The **eutrophication potential** measures the enrichment of an aquatic or terrestrial ecosystem due to the release of nutrients (e.g., nitrates, phosphates) resulting from natural or human activity (e.g., the discharge of wastewater into watercourses). In an aquatic environment, this activity results in the growth of algae which consume dissolved oxygen present in water when they degrade and thus affect species sensitive to the concentration of dissolved oxygen. Also, the increase in nutrients in soils makes it difficult for the terrestrial environment to manage the excess of biomass produced. The concentration of nutrients causing this impact is expressed in nitrogen equivalents (**kg N equivalent**).

Net fresh water consumption accounts for the imbalance in the natural water cycle created by the water evaporated, consumed by a system or released to a different watershed (i.e. not its original source). This imbalance can cause water scarcity and affect biodiversity. This indicator refers to the waste of the resource rather than its pollution. Also, it does not refer to water that is used but returned to the original source (e.g., water for hydroelectric turbines, cooling or river transportation) or lost from a natural system (e.g., due to evaporation of rainwater). The quantity of fresh water consumed is expressed as a volume of water in meter cube (**m³ of water consumed**).

The **global warming potential** refers to the impact of a temperature increase on the global climate patterns (e.g., severe flooding and drought events, accelerated melting of glaciers) due to the release of greenhouse gases (GHG) (e.g., carbon dioxide and methane from fossil fuel combustion). GHG emissions contribute to the increase in the absorption of radiation from the sun at the earth's surface. These emissions are expressed in units of kg of carbon dioxide equivalents (**kg CO₂ equivalent**). This indicator does not consider biogenic emissions.

The **ozone depletion potential** indicator measures the potential of stratospheric ozone level reduction due to the release of some molecules such as refrigerants used in cooling systems (e.g., chlorofluorocarbons). When they react with ozone (O₃), the ozone concentration in the stratosphere diminishes and is no longer sufficient to absorb ultraviolet (UV) radiation which can cause high risks to human health (e.g., skin cancers and cataracts) and the terrestrial environment. The concentration of molecules that are responsible of ozone depletion is expressed in kilograms of trichlorofluoromethane equivalents (**kg CFC-11 equivalent**).

The **smog formation potential** indicator covers the emissions of pollutants such as nitrogen oxides and volatile organic compounds (VOCs) into the atmosphere. They are mainly generated by motor vehicles, power plants and industrial facilities. When reacting with the sunlight, these pollutants create smog which can affect human health and cause various respiratory problems. The concentration of pollutants causing smog is expressed in kg of ozone equivalents (**kg O₃ equivalent**).

The **renewable/nonrenewable primary energy consumption** parameters refer to the use of energy from renewable resources (e.g., wind, solar, hydro) and non-renewable resources (e.g., natural gas, coal, petroleum). The quantity of primary energy used is expressed in megajoules, on the basis of the lower heating value of the resources (**MJ, LHV**).

The **renewable/nonrenewable material resources consumption** parameters represent the quantity of material made from renewable resources or non-renewable resources used to manufacture a product, excluding recovered or recycled materials. The quantity of these resources is reported in kilograms (**kg**).

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