



## PRODUCT DATA SHEET

# Sikafloor® Concrete Resurfacer

Polyurethane coating for outdoor concrete surfaces

### PRODUCT DESCRIPTION

Sikafloor® Concrete Resurfacer is a water-based polyurethane floor coating designed for residential and light commercial use. Excellent resistance to abrasion, chemicals, UV exposure, and de-icing salts and hiding power. With great coverage and a smooth, attractive finish, Sikafloor® Concrete Resurfacer enhances surface appearance while offering easy application and long-lasting durability that's simple to clean and maintain.

### WHERE TO USE

Sikafloor® Concrete Resurfacer can be used to restore deteriorated concrete floors or protect new ones. Typical applications include, but are not limited to the following residential and light commercial uses:

- Patios, walkways, and porches
- Interior and exterior concrete stairs
- Laundry rooms, utility areas, and workshops

### CHARACTERISTICS / ADVANTAGES

- Excellent resistance to abrasion, de-icing salts, and household chemicals
- Excellent hiding power
- Superior UV resistance with non-yellowing properties and excellent color opacity
- Easy to apply, clean and maintain
- Smooth, durable finish
- Waterproof and suitable for wet in-service areas
- Low VOC content and very low odour for indoor use

### PRODUCT INFORMATION

<b>Packaging</b>	<ul style="list-style-type: none"> <li>▪ Component A (Resin): 1.5 L (0.4 US gal)</li> <li>▪ Component B (Hardener): 0.4 L (0.1 US gal)</li> <li>▪ Component C (Sand): 0.6 kg (1.3 lb)</li> </ul>
<b>Colour</b>	Light Grey
<b>Shelf Life</b>	12 months in original, unopened packaging under proper storage conditions
<b>Storage Conditions</b>	Store dry at temperatures between 5 °C to 32 °C (41 °F to 89 °F). Protect from freezing. If frozen, discard. Precondition material for at least 24 hours between 18 °C to 30 °C (65 °F to 86 °F) before use.
<b>Density</b>	Mixed components A+B+C: 1.45 kg/L (12 lb/US gal) <span style="float: right;">ASTM D1475</span>

Volatile organic compound (VOC) content	< 25 g/L (mixed)	ASTM D2369
Viscosity	2500 cPs	ASTM D2196
Solid content by volume	55 %	

## TECHNICAL INFORMATION

Abrasion Resistance	~0.086 g (0.00019 lb)	ASTM D4060 CS-17 / 1000 g (2.2 lb)/ 1000 cycles
Pull-Out Resistance	4.5 MPa (653 psi) (substrate failure)	ASTM D4541
Resistance to Fire	0 (FSR) Flame Spread Rating 10 (SDC) Smoke Developed Classification	(CAN/ULC S102)
Water Vapour Transmission	1.71 g/h.m <sup>2</sup>	ASTM E96
Gloss Level	Matte	

## APPLICATION INFORMATION

Consumption	6.5–7.9 m <sup>2</sup> /L (263–320 ft <sup>2</sup> /US gal) One kit will cover approximately 13.7–16.6 m <sup>2</sup> (147–179 ft <sup>2</sup> ) <b>Note:</b> This is a theoretical coverage. Practical coverage rates and material consumption will depend upon porosity and profile of substrates. Allowance must be also made for variation in film thickness or number of coats required to achieve complete coverage of surfaces. Test sections are recommended to establish correct coverage.																					
Layer Thickness	One coat of 5–6 mils (127–152 µm) Wet Film Thickness to achieve a Dry Film Thickness of 2.75–3.3 mils (70–84 µm).																					
Product Temperature	Condition product between 18 °C to 30 °C (65 °F to 86 °F) before use.																					
Ambient Air Temperature	Between 15 °C to 30 °C (59 °F to 86 °F) Low temperatures and/or high humidity will increase curing time.																					
Relative Air Humidity	Maximum 75% (during application and curing). Sikafloor® Concrete Resurfacer should not be applied when the Relative Humidity is greater than 75 % as curing times will be longer, and water will be retained in the film reducing ultimate coating performance. <b>IMPORTANT:</b> Water-borne products require moisture to evaporate from the film to cure to full properties. Provide adequate fresh air ventilation to remove the excess moisture from the curing product.																					
Substrate Temperature	Between 15 °C to 30 °C (59 °F to 86 °F)																					
Pot Life	~60 minutes at 20 °C (68 °F) (Material Temperature)																					
Curing Time	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">Substrate Temperature</th> </tr> <tr> <th>10 °C (50 °F)</th> <th>23 °C (73 °F)</th> <th>30 °C (86 °F)</th> </tr> </thead> <tbody> <tr> <td>Foot traffic</td> <td>3 days</td> <td>16-18h</td> <td>12-14h</td> </tr> <tr> <td>Light traffic</td> <td>4 days</td> <td>22-24h</td> <td>16-18h</td> </tr> <tr> <td>Normal traffic</td> <td>5 days</td> <td>36h</td> <td>24h</td> </tr> </tbody> </table>				Substrate Temperature			10 °C (50 °F)	23 °C (73 °F)	30 °C (86 °F)	Foot traffic	3 days	16-18h	12-14h	Light traffic	4 days	22-24h	16-18h	Normal traffic	5 days	36h	24h
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Application Time	45 - 60 minutes at 23 °C (73 °F)																					

10 °C (50 °F)	23 °C (73 °F)	30 °C (86 °F)
24-48h	6-12h	4-6h

**Note:** If the Waiting/ Recoat time has passed the previous coat must be lightly sanded, to remove all gloss; vacuum cleaning and solvent wiping will be necessary to remove all traces of dust. The surface should be a uniform dullness, with no gloss present after clean-up and before applying the next coat.

## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

Properties tested at 23 °C (73 °F) and 50 % R.H. unless stated otherwise.

## WHERE TO USE

- Do not apply Sikafloor® Concrete Resurfacer to concrete substrate containing aggregates susceptible to ASR (Alkali Silica Reaction) due to risk of natural alkali redistribution below the Sikafloor® product after application. If concrete substrate has or is suspected to have ASR (Alkali Silica Reaction) present, do not proceed. Consult with design professional prior to use.
- May be incompatible with certain existing coatings. Consult with Sika Canada for guidance before specifying or application and carry out trial sections.
- When over-coating existing coatings, compatibility and adhesion testing is recommended, and existing coating must be acknowledged as determining the adhesion and performance of all subsequently applied materials.
- Do not apply to substrates exposed to extreme thermal shock.
- Not recommended for use on surfaces which are exposed to highly corrosive chemicals.

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Clean existing concrete with a 2500 PSI pressure washer to remove any dust, laitance, grease, oil, dirt, curing agents, impregnations, wax, foreign matter, coatings

and detritus (more thorough washing might be needed if any debris remains).

Concrete compressive strength should be at least 25 MPa (3625 psi) at 28 days and at least 1.5 MPa (218 psi) in traction at the time of Sikafloor® Concrete Resurfacer application.

### MIXING

- Stir component A (Resin) and component B (Hardener) individually to re-disperse any settled components.
- Completely pour component B (Hardener) into component A (Resin). Mix mechanically using a low-speed drill with a helical or paddle mixer (200 - 300 rpm) for 2–3 minutes until a uniform blend is achieved. Ensure material from the sides and bottom of the container is fully incorporated. Be careful not to introduce any air bubbles while mixing.
- Gradually add component C (Sand aggregates) into the mixed resin while continuing to mix. Mix for an additional 2–3 minutes or until the blend is homogeneous, lump-free, and consistent in texture.

### APPLICATION

Sikafloor® Concrete Resurfacer can be applied by brush, roller or squeegee, depending on the surface to be coated and site conditions.

Apply the mixed material immediately to the edges with a brush and then use a roller or a squeegee for the rest. The specified film thickness must be achieved to ensure full coverage. Coverage rate may vary depending on the porosity and texture of the prepared substrate.

If the waiting/recoat time is exceeded (refer to the Application Information section), the previous coat must be lightly sanded to remove all gloss. After sanding, perform vacuum cleaning followed by solvent wiping to eliminate all dust and residue. The surface should exhibit a uniform dull appearance, with no remaining gloss, before applying the next coat.

### CLEAN UP

Once hardened, product can only be removed mechanically. Clean tools and brushes with thinner.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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### **Other locations**

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### **Product Data Sheet**

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