



PRODUCT DATA SHEET

SikaLevel®-115 Skim Coat

Rapid-setting cementitious skimcoating compound

PRODUCT DESCRIPTION

SikaLevel®-115 Skim Coat is a 1-component, easy to use and fast drying, cementitious skimcoating compound ideal for the repair or preparation of concrete, approved wood underlayments. SikaLevel®-115 Skim Coat can be installed as a true featheredge as well as filling voids and minor levelling defects up to 13 mm (1/2 in) in depth.

WHERE TO USE

- Can be used to pre-fill holes or non-active cracks in concrete and seams in industry approved wood underlayments
- Can be used to smooth out rough surfaces and correct minor defects in concrete and industry approved wood underlayments prior to applying floor coverings
- Can be used to for correct (touch-ups) of self-levelling underlayments

CHARACTERISTICS / ADVANTAGES

- Easy to mix and quick to apply
- Creamy consistency helps to achieve a smooth surface with minimal trowel passes
- Good adhesion to substrates and approved underlayments
- Rapid setting; When applied as a skim coat, resilient flooring can be installed as soon as spreading the adhesive with a notched trowel does not damage the surface (generally after 20 minutes)
- Suitable for use with radiant heating systems
- Excellent standard of finish can be achieved to allow direct application of floor coverings

PRODUCT INFORMATION

Packaging	4.5 kg (10 lb) plastic bag
Shelf Life	18 months in original, unopened packaging
Storage Conditions	Store (unopened) in a dry place at temperatures between 5 °C and 32 °C. For best results, condition the product at temperatures between 18 °C and 29 °C before use.
CSC MasterFormat®	09 60 00 Flooring

TECHNICAL INFORMATION

Compressive Strength	7 days	20 MPa (2900 psi)	(ASTM C109 modified)
	28 days	31 MPa (4500 psi)	

APPLICATION INFORMATION

Mixing Ratio	Between 1.7 L and 1.95 L (0.45 US gal. and 0.52 US gal.) of clean and potable water per 4.5 kg (10 lb) bag	
Yield	Approximate coverage rate per 4.5 kg (10 lb) bag of SikaLevel®-115 Skim Coat	
	<u>Ultra-thin layer:</u>	<u>14 m² to 28 m² (150 ft² to 300 ft²)</u>
	Note: Coverage rates do not take into account surface profile and porosity or material loss.	
Ambient Air Temperature	Minimum: 13 °C / Maximum: 32 °C	
Relative Air Humidity	< 75 %	
Substrate Temperature	Minimum: 13 °C / Maximum: 30 °C	
Pot Life	Approx. 15 to 20 minutes	
Waiting Time	Ultra-thin layer	20 minutes or as soon as surface is sufficiently hard and is not damaged by application of the flooring adhesive
Initial Set Time	20 to 30 minutes	(ASTM C266)
Final Set Time	45 to 60 minutes	(ASTM C266)

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 / 50 % r.h. unless stated otherwise.

LIMITATIONS

- For interior use only
- Not suitable for exposed repairs or as a wear surface
- SikaLevel®-115 Skim Coat must be covered with a final floor covering
- Do not exceed the recommended water dosage
- Do not use SikaLevel®-115 Skim Coat in thick application over large areas. SikaLevel®-115 Skim Coat can be applied up to 13 mm in thickness to fill localized voids and non-active cracks or it can be used for pre-sloping, but only over a short span (in such case, use the minimum water ratio)
- Do not cover of fill expansion or control joints with SikaLevel®-115 Skim Coat
- Do not apply onto dimensionally unstable substrates
- Do not use on presswood, flakeboard, metallic or similar substrates and always comply with the final floor manufacturer's recommendations or instructions as to substrate or underlayment standards
- Not suitable for use on water soluble adhesive residues or those which suffer from migration/bleeding

- Do not expose to adverse drying conditions while curing. Protect from other trades, traffic, dust, dirt, high ambient temperatures until final floor covering is ready to be applied
- Not suitable for applications where hydrostatic pressure is present

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

JOB SITE CONDITIONS:

Maintain environmental conditions and protect work during and after installation. Comply with trade and industry standards and manufacturer's printed recommendations. Turn off all forced ventilation and radiant heating systems and protect the work against drafts during installation and for at least 72 hours after completion. When necessary, use indirect auxiliary heaters to maintain an adequate temperature level in the working area (ambient and surface temperatures). Exhaust temporary heaters to the exterior to prevent damage to the work or personal injury from carbon monoxide emissions.

SUBSTRATE QUALITY

Substrate to have adequate strength, load-bearing capacity, be dimensionally stable and be permanently dry.

SURFACE PREPARATION

Surfaces should be clean and free of dust, oil, grease, paint, tar, wax, curing agent, primer, sealer and any deleterious substance or conditions that may prevent, reduce or inhibit adhesion or performances of SikaLevel®-115 Skim Coat. Before work commences, examine the areas to be covered and report any improper condition(s) in writing to the general contractor, architect or engineer. User shall not proceed with the work until surfaces and conditions comply with the requirements indicated in this document; applicable industry standards; federal, provincial and local regulations, as well as good trade practices. By beginning work, the applicator/user acknowledges that the conditions are acceptable.

SUBSTRATE PREPARATION

Surface treatments of any friable areas of the substrate must be mechanically removed and the surface be repaired with one of Sika's patching compounds or self-levelling material as required. Careful consideration should be given to the selection of the method of mechanical preparation of the surface and the timing of the application of primer and SikaLevel®-115 Skim Coat. Immediately following mechanical preparation on some excessively porous concrete substrate, outgassing will increase for a short period of time (approximately 48 hours) until an equilibrium in slab vapour pressure and the ambient environment is reached.

WARNING: Refer to the Regulations Made Under the Canada Labour Code for additional information regarding requirements for handling surface containing or suspected of containing lead-based paints or any flooring, substrate or substances that may contain asbestos.

Concrete (and cement mortar beds)

Concrete must be cured for a minimum of 28 days (14 days for cement mortar beds or only 5 hours when using SikaScreed®-40 screed mortar). On grade or below grade concrete slabs must be installed over an effective vapour barrier. On a clean substrate free of dust, place a single drop of potable water (quarter size) on the substrate using a pipette. The concrete should turn dark. If the drop is absorbed within 60 seconds, the substrate can be considered porous (or absorptive) and acceptable for using SikaLevel®-115 Skim Coat. Alternatively, if the water drop is absorbed very rapidly, it might be advisable to treat the surface with by applying diluted an

application of SikaLevel®-03 Primer Plus one (1) part Primer Plus with three (3) parts of clean potable water. Otherwise, a bond test should be performed confirming good compatibility with the substrate. If an adequate bond cannot be achieved or in doubt, contact Sika Canada's Technical Service.

SikaLevel®-115 Skim Coat can also be used to correct minor deficiencies (touch ups) over self-levelling underlayment.

Industry approved wood panel underlayments (interior residential and light commercial floor in dry areas only)

Suitable underlayments for soft floor coverings shall be the type and thickness recommended as being suitable to receive a certain manufacturer's flooring. The installation of the underlayment panel must be performed following the strict instructions with the said manufacturer's literature.

In any floor covering installation, the moisture content of the underlayment should not exceed the moisture content recommended by the wood and/or flooring manufacturer literature using the required moisture evaluation test. Sika recommends confirming the maximum moisture content immediately before using SikaLevel®-115 Skim Coat.

Note: Contact Sika Canada's Technical Service for installation recommendations concerning substrates or conditions not listed.

MIXING

In a clean mixing container pour approximately enough powder to place between 10 to 20 minutes. Add clean potable water while slowly mixing with a margin trowel or *Jiffy* mixer. Vigorously mix to a smooth, lump-free consistency. Mechanical mixing at low speed with a portable drill fitted with a *Jiffy* paddle will produce a creamier (fluffier) and smoother consistency. To mix an entire bag, use between 1.7 L (0.45 US gal) and 1.95 L (0.52 US gal) of water per 4.5 kg (10 lb) bag.

APPLICATION

Using a flat edge steel trowel, apply SikaLevel®-115 Skim Coat immediately following mixing. Ensure that the compound is tightly trowelled into all defects, seams, and non-active cracks or across roughened surfaces as required. Where defects, details or roughened surfaces requiring repairs or resurfacing to a depth greater than 13 mm (1/2 in), use the appropriate Sika® Levelling products.

Flooring installation

Floor coverings may be installed as soon as the surface is sufficiently hard and is not damaged by application of the flooring adhesive. Thicker applications will require more time. SikaLevel®-115 Skim Coat is compatible with all floor covering adhesives suitable for use on concrete.

CLEAN UP

Clean equipment and application tools with water immediately after use. Once hardened, the product can only be removed mechanically.

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

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