

PRODUCT DATA SHEET

SikaLevel®-102 SG

(formerly Davco® Levelcrete No. 15)

CONCRETE SMOOTHENING AND INTERIOR FLOOR LEVELLING COMPOUND (UNDER-LAYMENT)



DESCRIPTION

SikaLevel®-102 SG is a sophisticated self levelling underlayment that has been specially formulated for easy, level and smooth installation of interior sub floor surfaces.

USES

- Ideal for trowelling or pump applications over large areas, allowing for floor covering installation after 24 hours.
- Suitable for levelling and smoothing of internal sub-floors of concrete, terrazzo, ceramic tiles etc.
- Provides a flat substrate over which to install wood, vinyl, carpet or other floor covering materials.
- Ideal for repairing damaged rained-on-subfloors, adjusting tolerances between floor slabs, smoothing over ceramic tiles prior to floor covering, rectifying camber problems on concrete, repairing old and damaged screeds etc.

CHARACTERISTICS / ADVANTAGES

- Fluid and self levelling.
- Can be applied to any thickness in one operation, without shrinkage.
- Can be feather edged.
- Water resistant when set.
- Compatible with most adhesives.
- Does not shrink.

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4034

PRODUCT INFORMATION

Packaging	25 kg bag
Shelf Life	6 months from the date of production.
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost.
Thickness	2 - 10 mm
Weight	Approx. 2.0 kg / ltr after mixed

TECHNICAL INFORMATION

Abrasion Resistance	<0.37g	(ASTM D4060:2010)
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Compressive Strength	>28 N/mm ²	(BS EN 1015-11:1999)
Tensile Strength in Flexure	>6 N/mm ²	(BS EN 1015-11:1999)
Tensile Adhesion Strength	0.8 N/mm ²	(BS EN 1015-12:2000)
Mixing Ratio	5.75 - 6.25 litres of clean water / 25 kg bag	
Consumption	For material consumption:- 1.5 kg of SikaLevel®-102 SG powder covers approximately 1m ² at 1mm thick. Sikalastic®-500 Acrylic Primer AP covers approximately 8m ² / ltr.	
Open Time	Approx. 25 minutes @ 25°C	
Setting Time	Setting time is dependent on temperature and the substrate conditions. During cooler weather a longer setting time would be expected. During warmer weather, a shorter setting time would be expected	
Final Set Time	Approx. 8 hours @ 25°C	

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

SURFACE PREPARATION

Substrates must be firm, dry and free from oils, grease, wax, dust and other contaminants. Concrete and sand/cement screeds may need to prime with Sikalastic®-500 Acrylic Primer AP.

MIXING

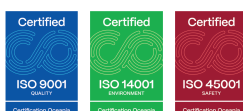
Put water in a clean mixing container. Add SikaLevel®-102 SG powder and stir thoroughly while adding the powder to produce a lump free smooth flowing mortar. Mechanical mixing of the mortar facilitates the smoothness of the mix. Mixed mortar should be used within 25 minutes of mixing. Working time is extended at lower temperatures and reduced at higher temperatures.

CLEANING OF TOOLS

Use clean water to clean tools and equipment before the product sets. Hardened material has to be removed mechanically.

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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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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.

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