

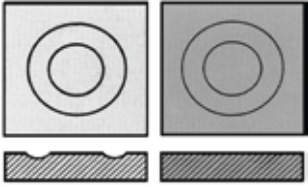
Sikafloor Level® -111/1

Sikafloor Level® -111/3

Polymer Modified, Castable Mortars

Product Description	A 2 component cement based polymer modified levelling, surfacing and grouting mortar. Two aggregate sizes, 3.0 mm and 1.2 mm depending upon application.
Uses	<p>Sikafloor Level® -111 is suitable for use on substrates of concrete, stone, iron and steel as a wear resistant surfacing and levelling compound for:</p> <ul style="list-style-type: none"> ■ Concrete roads. ■ Parking areas. ■ Swimming pools. ■ Gullies and channels. <p>Sikafloor Level® -111 is also suitable as a grouting material for fixing of:</p> <ul style="list-style-type: none"> ■ Posts for guardrails, signs and crash barriers. ■ Lamp standards. ■ Pillars and buttresses. ■ Foundation slabs and supports.
Advantages	<p>Sikafloor Level® -111 is an economical and easy to use material offering the following beneficial properties:</p> <ul style="list-style-type: none"> ■ Easy to mix and apply. ■ Rapid strength development. ■ High mechanical strengths. ■ Excellent adhesion. ■ Good flow characteristics. ■ High abrasion resistance. ■ Resistant to de-icing salts. ■ Non-toxic.
Approval / Standard	<p>Sikafloor Level® -111 has been tested as per SCAQMD Rule 1168. Result: VOC Content < 5 g/L</p>
Product Data	
Form	<p>Comp (A): Liquid Comp (B): Powder</p>
Colour of Mix	Grey
Packaging	<p>43 kg units (A+ B) Type 3.0 mm. 35 kg units (A+ B) Type 1.2 mm.</p>
Storage Conditions	<p>Comp. (A) -Free from frost. Comp. (B) -Free from moisture.</p>
Shelf Life	12 months when unopened.
Technical Data	
Density	<p>Comp (A) = 1.02 kg/l Comp (B) = 1.7 kg/l (Bulk Dens.) Comp (A + B) mixed = approx. 2.2 kg/l</p>
Compressive Strength	<p>40-50 N/mm² After 28 days at 20°C. Qc. Lab results: in 4 x 4 x 16 cm Prisms Air Cure</p>



Flexural Strength	8 - 10 N/mm ² (after 28 days at 20°C)
Bond Strength to Concrete	2.5 - 3 N/mm ² (concrete failure) (after 28 days at 20°C)
Abrasion Resistance	<p>According to Ebener: 40 cycles, 5 steel balls 18 mm Φ 20 kp load.</p> <p>For additional information please ask for "A brief guide to the use of Sika® ready-mix mortars" (all about bedding and grouting).</p> <div style="display: flex; justify-content: space-around; align-items: center;">  </div> <p>Ordinary cement Mortar Sikafloor Level® -111 Flowable mortar</p> <p>200 gr __ Weight loss __ 1 gr</p>

Application

Coverage	Approx. 2.3 kg per 1 Liter / Mortar.									
Surface Preparation	<p>Concrete, mortar and stone surfaces must be clean sound and free from oil, grease, cement laitance and all loosely adhering particles. Iron and steel surfaces should be free from scale, rust, oil and grease.</p> <p>Absorbent surfaces should be saturated thoroughly.</p> <p>When using Sikafloor Level® -111 the application of a primer slurry Comp (A+B) is recommended.</p>									
Mixing	Put the full contents of component (A) (powder) into a suitable mixing container. Add component (B) and mix for at least 2 minutes until a smooth consistency is achieved.									
Application	<p>When used as a surfacing, apply the mortar by trowel and spread evenly. Immediately scatter the surface with quartz sand in excess and leave to dry.</p> <p>When used as a grout, immediately after mixing pour into the fixing hole. Take care not to entrap air in the cavity, and keep moist until hard.</p>									
Cleaning	Clean all tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.									
Important Recommendations	<p>Minimum application temperature + 8°C.</p> <table border="0"> <tr> <td>Layer</td> <td>min.</td> <td>max.</td> </tr> <tr> <td>(3.0 mm type)</td> <td>= 0.8 cm/30 mm.</td> <td></td> </tr> <tr> <td>(1.2 mm type)</td> <td>= 0.4 cm/12 mm.</td> <td></td> </tr> </table> <p>When used in thicker layers ask for technical advice.</p>	Layer	min.	max.	(3.0 mm type)	= 0.8 cm/30 mm.		(1.2 mm type)	= 0.4 cm/12 mm.	
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Safety Instructions

Ecology	In liquid state product will contaminate water. Do not dispose of into water or soil but according to local regulations.
Toxicity	Non-Toxic under relevant health and safety codes.
Transport	Non-hazardous.

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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