

## SikaFill®

### Elastic, Liquid Applied, Acrylic Waterproofing Coating

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#### Product Description

**SikaFill®** is a one component, liquid elastic waterproofing coating, based on styrene-acrylic copolymers in aqueous dispersion. Once dried, **SikaFill®** forms a flexible, waterproofing and lasting membrane. Suitable for use in hot and tropical climates.

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#### Uses

**SikaFill®** can be used in different applications such as:

- Protection from running water in vertical surfaces & waterways.
- Bridging of cracks and joints
- Protection of roofs and gutters
- Repair to chimneys

#### Substrates

**SikaFill®** as a liquid applied waterproofing coating can be used on different substrates:

- Cementitious mortars and concrete
- Terrace and roofing tiles
- Polyurethane foam (spray-applied)
- Zinc & Aluminium
- Bricks & Fibre cement
- Asphalt and other bituminous substrates
- Asphalt sheets finished with aluminium or slate tiles, etc.

**Note:**-If the asphalt sheet has a debonding film, it shall be burned prior to the application of **SikaFill®**.-On PVC, polyester or painted surfaces, preliminary tests should be carried out to determine its compatibility and suitability.

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#### Advantages

- Waterproof
- Highly elastic
- Excellent weathering and aging properties.
- Easy to apply by traditional methods eg. brush
- Good penetration in cracks and fissures.
- Able to absorb expansion and shrinking movements without cracking
- Good bonding to many substrates
- Water based
- Non toxic & non flammable.

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#### Test Standards

(a) Complies with the UNE 53.413 standard for "Flexible coatings, based on copolymer water dispersion, without mesh reinforcement for 'in situ' waterproofing of buildings".

(b) SikaFill, reinforced with an appropriate synthetic mesh, such as ArmaFill, complies with the UNE 53.410 standard for "Flexible sheets, based on copolymer water dispersion with reinforcement, for 'in situ' waterproofing of buildings".

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## Product Data

Type	Styrene acrylic copolymer, water based dispersion
Form	Liquid
Colour	RAL 3009 (oxyd-red), RAL 7004 (moss grey), RAL 9003 (white)
Packaging	25 kg pails
Storage Condition	Store in original sealed containers in a cool, dry environment between 5°C and 25°C, away from direct sunlight
Shelf life	12 months minimum if stored properly in original unopened packing away from sunlight

## Technical Data

Density	Approximately 1.2 kg/lit (at 20°C)
Solid content	Approximately 60%
Curing time	Tack free 2 hrs Fully cured 3 - 5hrs (UNE 48.086)
Elongation at break	350% (UNE 53.165)
Tensile strength	Minimum 10 kg/cm <sup>2</sup> (UNE 53.165)
Impact resistance	> 500 mm (UNE 53.358)
Aging	Accelerated: Loss of elongation < 40% (1'000 hrs at 70°C, UNE 53.104) Thermal: Loss of elongation < 35% (UNE 53.358) Loss of material < 10%
Waiting times	The primer coat must dry for at least 12 hrs. thereafter subsequent coatings can be applied until the desired thickness is achieved. <b>Each coat shall be completely dry, before proceeding with further application.</b>
Consumption	Roofs and terraces: At least 2.0 kg/m <sup>2</sup> (1.7 lt/m <sup>2</sup> ), applied in two or more coats Vertical surfaces: At least 1.0 kg/m <sup>2</sup> (0.83 l/m <sup>2</sup> ), applied in two coats <b>Do not apply less than 2 coats on top of the primer coat.</b>

\* all above values are approximate.

## ArmaFill Fabrics

Material	Fibre glass mesh
Weight	64 g/m <sup>2</sup>
Layer Thickness	0.1 mm
Packaging	1 x 125 m rolls

## Application Details

Substrate preparation	The surface must be clean, dry, free from grease, oil and loosely adhering particles
Mixing	Stir <b>SikaFill</b> ® prior to use until a homogeneous mixture is achieved.
Primer	Dilute 3 parts of <b>SikaFill</b> ® (by volume) with 1 part of water and mix until a homogeneous mixture is achieved. Apply SikaFill® Primer by brush or roller. Work the primer coat firmly into cracks and fissures and wait until is completely dry.

<b>Application</b>	Apply two undiluted coats of <b>SikaFill®</b> by brush, wool roller or airless spray equipment. Let each coat completely dry before proceeding with subsequent application. <b>Reinforcement with ArmaFill</b> After application of the first coat (not the primer coat), place immediately the fibreglass mesh reinforcement (ArmaFill) and cover it with a second coat of <b>SikaFill®</b> . Do not apply the second coat before the first one is completely dry. Assure an overlap of 3-5 cm of ArmaFill Fabrics.
<b>Cleaning</b>	Clean all tools and equipment with water immediately after use.
<b>Remarks</b>	<ul style="list-style-type: none"> <li>■ Don't apply <b>SikaFill®</b> in places in permanent contact with water</li> <li>■ <b>Sikafill®</b> is a finishing coat.</li> <li>■ When higher mechanical strength is required, use ArmaFill system or any other reinforcement system compatible with <b>SikaFill®</b>.</li> <li>■ Min application temp. &gt; 5°C</li> </ul>
<b>Notes</b>	All technical data stated in this product data sheet are based on laboratory test. Actual measured data may vary due to circumstances beyond our control.
<b>Safety</b>	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## 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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