

PRODUCT DATA SHEET

Sika® Primer-3

PRIMER FOR SIKA® RANGE OF JOINT SEALANTS AND ELASTIC ADHESIVES FOR THE CONSTRUCTION INDUSTRY

DESCRIPTION

Sika® Primer-3 is a one-part, solvent containing primer for Sikaflex® & Sika® Polysulphide range of joint sealants

USES

Sika® Primer-3 is an all purpose primer for Sika® Polysulphide, Sikaflex®, SikaHyflex®, Sikasil® range of sealants and adhesives for concrete and metal substrates. It is used for priming the following types of joints:

- Expansion
- Isolation and peripheral
- Construction
- Other types of joints in building & pavement construction

CHARACTERISTICS / ADVANTAGES

- Excellent bonding on porous substrates (concrete, cementitious, etc.)
- Excellent bonding on non-porous substrates like metal, etc.
- Easy to apply manually
- Excellent adhesion promoter between substrate and sealant
- Short flash off time

PRODUCT INFORMATION

Chemical Base	Single component solvent based moisture-curing liquid polyurethane		
Packaging	500g x 2 metal bottles		
Colour	Light brown liquid		
Shelf Life	9 months from date of production		
Storage Conditions	To be stored properly in original sealed containers, in dry conditions at temperatures between +5°C & +25°C.		
Density	~0.99 kg/liter (at 30°C)		
Solid Content	57%		
Consumption	Type of Substrate	Yield per litre	Coverage per litre
	Porous substrates	250 - 300 meters	5 m ²
	Non-porous substrates	350 - 400 meters	8 m ²
	Consumption may vary based on the substrate porosity, external temperature conditions, application techniques, joint dimensions, etc		
Ambient Air Temperature	+5°C Min /+ 40°C Max		
Relative Air Humidity	85% max		

Substrate Temperature	+5°C Min /+40°C Max	
Substrate Moisture Content	8% Max	
Flash-off Time	Minimum	45 minutes
	Maximum	4 hours

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Concrete, mortar surfaces must be clean, free from grease, oil, and loosely adhering particles.
- Steel and iron surfaces must be free from scale, rust, grease and oil. All surfaces must be as true as possible.
- The surface should be cleaned of all deleterious substances like oils and grease, loose friable particles like dust, paint, cement laitance, etc and any other contaminants. Suitable mechanical techniques such as wire brush or grinding or solvents may be used for such purposes but washed immediately.
- Cleaned surfaces must be made as dry as possible, preferably using a blower, however slightly visible dampness is acceptable but there should be no standing water.
- It is advisable to mask off adjacent areas to prevent possible discoloration.
- Primer should be applied only on the two vertical sides of a joint with a bond breaking material like backer rod, thermocol, etc on the third horizontal side to hold the sealant to be filled.

APPLICATION METHOD / TOOLS

Apply Sika® Primer-3 to joint surfaces by brush. Tightly re-seal container immediately after each use. Protect the sides with masking tape if necessary.

FURTHER DOCUMENTS

- Pre-treatment Chart Sealing & Bonding
- Method statement joint sealing, joint maintenance, cleaning and renovation

LIMITATIONS

- Sika® Primer-3 must be used within one month after opening the container. Discard any primer that has gelled or separated.
- Do not use on bituminous substrates or construction materials that may be negatively affected by solvent based products.
- Primers are adhesion promoters. They neither substitute the correct cleaning of the surface nor improve its strength significantly. Primers improve the long term performance of a sealed joint.

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Product Data Sheet
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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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.

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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