

PRODUCT DATA SHEET

Sika® Concrete Primer

TWO-COMPONENT PRIMER FOR CONSISTENT AND DURABLE ADHESION BETWEEN SIKALASTIC®-601 BC, SIKALASTIC®-602 BR AND CEMENTITIOUS SUBSTRATES

DESCRIPTION

Sika® Concrete Primer is a two component, rapid curing, high solids, solvent based polyurea primer

USES

Bonding agent for Sikalastic®-601 BC, Sikalastic®-602 BR and cementitious substrate

CHARACTERISTICS / ADVANTAGES

- Significantly reduces the likelihood of outgassing from susceptible substrates
- Seals and primes substrates enabling over-coating at a minimum of 30 minutes (under ideal conditions)
- Combines a rapid cure time with a long pot life
- Helps to stabilise substrates Easy application by brush or roller
- Can be used between coats to locally address pin-holing

PRODUCT INFORMATION

Chemical Base	Two-component solvent-based polyurea
Packaging	Sika® Concrete Primer is available in 12kg (Part A 9.8kg, Part B 2.2kg)
Appearance / Colour	Colourless to pale yellow
Shelf Life	6 months from date of production if stored properly in original, unopened and undamaged sealed container in a cool, dry location away from direct sunlight
Storage Conditions	Dry location away from direct sunlight
Density	~1.02 kg/l

APPLICATION INFORMATION

Mixing Ratio	Component A : Component B = 3.64:1 (by volume)
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Consumption	1 or 2 coats with a consumption of 0.1275kg/m ² per coat depending upon surface roughness and absorption
Ambient Air Temperature	+5 °C min. / +30 °C max.
Dew Point	Beware of condensation! Surface temperature during application must be at least +5 °C above dew point. ▪ Flash Point Part A: 40 °C Part B: 73 °C
Substrate Temperature	+5 °C min. / +30 °C max.
Substrate Moisture Content	< 4 % moisture content. No rising moisture according to ASTM (Polyethylene-sheet). No water / moisture / condensation on the substrate.
Pot Life	1 hour at 20°C Note: Pot life will decrease at higher temperatures.
Waiting Time / Overcoating	At 20 °C: Dry to touch 10 minutes Dry through 30 minutes Apply an additional coat if more than 5 days pass before coating

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Substrates should be free from laitance, dust, oil and grease achieved by wire brushing or mechanical preparation.

SUBSTRATE PREPARATION

Allow a minimum of 28 days before overcoating new concrete. The concrete should have a Pull off strength ≥ 1.5 N/mm². Defects or damage to concrete decks must be made good using appropriate polymer modified repair mortar. Any repairs should be allowed a minimum of 72 hours to cure and until such time as the moisture content has fallen to the permissible level.

APPLICATION

1. Ensure surface is dry and free from dust and laitance.
2. Previously primed areas must be free from contamination before re-priming or top coating. Product may be applied to damp surfaces but these must not be visibly wet (see substrate moisture content).
3. Prepare primer by mixing the base until uniform.
4. Add the activator and re-mix until homogeneous.
5. Apply between 5 and 30 °C. Air and substrate temperatures should remain a minimum of 5°C above dew point throughout the application and curing periods.
6. Apply by brush or roller.

LIMITATIONS

- Do not apply in wet weather or to wet surfaces.

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, user shall 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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