BUILDING TRUST

PRODUCT DATA SHEET

Sika® Bonding Primer

TWO-COMPONENT WATERBASED EPOXY PRIMER.

PRODUCT DESCRIPTION

Sika® Bonding Primer is a two-component, water-based epoxy primer to consolidate substrates and enhance the adhesion of Sikafloor® and Sikagard® products

USES

Versatile primer for use with:
- Sikafloor® balcony waterproofing systems
- Sikagard® hygiene coatings
- Suitable for use on concrete, masonry, tiles, insulation foams, bituminous surfaces, plaster, cementitious renders, screeds and mortars.

CHARACTERISTICS / ADVANTAGES

- Fast curing - overcoat possible after 1 - 2 hours
- Long pot life - up to 12 hours
- Low odour - water-based product
- Consolidates dusty or friable surfaces
- Uniforms the absorbency of the substrate
- Enhances adhesion to a broad range of substrates
- Easy application by brush or roller

PRODUCT INFORMATION

Chemical Base	Epoxy, waterborne and polyamine curative	
Packaging	5.0 l (~5.16 kg) unit	4 l component A 1 l component B
	15.0 l (~15.546 kg) unit	12 l component A 3 l component B
Appearance / Colour	Milky green liquid resin	
Shelf Life	24 months from date of production	
Storage Conditions	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Higher storage temperatures may reduce shelf life of product. Reference shall also be made to the storage recommendations within the safety data sheet.	
Density	~1.03 kg/l (23 °C)	(EN ISO 2811-1)

APPLICATION INFORMATION

Mixing Ratio	Component A : Component B = 4:1 (by volume)
Consumption	Apply in one to two coats, with a consumption of 0.10 kg/m² approx. per coat depending upon surface roughness and absorption. Note: For metal substrates apply 1x SikaCor® EG-1 (~0.20 kg/m² approx.) instead of Sika® Bonding Primer (please refer to SikaCor® EG-1 Product Data Sheet for further information). These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level and wastage.
Ambient Air Temperature	+5 °C min. / +40 °C max.
Relative Air Humidity	80 % r.h. max.
Dew Point	Beware of condensation. The substrate and uncured coating must be ≥3 °C above dew point.
Substrate Temperature	+5 °C min. / +40 °C max.
Substrate Moisture Content	Visible damp free (maximum 18 % wood moisture equivalent). ≤6 % pbw moisture content Test method: Sika®-Tramex meter ≤4 % CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).
Waiting Time / Overcoating	Before applying any recommended Sikafloor® products on Sika® Bonding Primer, allow:

Substrate temperature	Minimum waiting time	Maximum waiting time
+10 °C	4 hours approx.	7 days
+20 °C	2.5–3.5 hours approx.	7 days
+30 °C	1 hour approx.	7 days

Before applying Sikagard® products on Sika® Bonding Primer allow:

Substrate temperature	Minimum waiting time	Maximum waiting time
+10 °C	24 hours approx.	7 days
+20 °C	8 hours approx.	7 days
+30 °C	6 hours approx.	7 days

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The surface must be sound, of sufficient strength, clean, dry and free of dirt, oil, grease and other contamination. The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².

SUBSTRATE PREPARATION

All surfaces to be coated should be thoroughly cleaned by conventional means.
Inspect the substrate.
Spalling, flaking or damaged areas should be repaired using compatible materials to match surroundings or replaced as necessary.
If in doubt apply a test area first.
Tiles have to prepared mechanically, glazing has to be removed.
Grinding may be necessary to level the surface.
For detailed information regarding substrate quality / preparation and primer chart please refer to Method Statement.

APPLICATION

Prepare Sika® Bonding Primer by adding component B into component A container, mix with an electric drill until a homogeneous light green colour is achieved and the product is free of streaks. The 1 l packaging can be mixed by spatula or flat stick.
Sika® Bonding Primer can be applied by short-piled roller, brush or airless spray.
Allow primer to dry sufficiently (see table waiting time / overcoating) before overcoating.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

LIMITATIONS

- Do not apply Sika® Bonding Primer on substrates with rising moisture.
- Always ensure good ventilation when using Sika® Bonding Primer in a confined space, to ensure drying and full curing.
- If the primer is damaged by rain, a chalky surface will result and the surface must be re-primed.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking (for further information please contact Sika technical service).
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO_2 and H_2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- New concrete should be allowed to cure/hydrate for a minimum of 10 days, preferably 28 days.

VALUE BASE

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type wb) is 140 / 140 g/l (Limits 2007 / 2010) for the ready to use product.
The maximum content of Sika® Bonding Primer is <140 g/l VOC for the ready to use product.

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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