

## PRODUCT DATA SHEET

# SikaWall®-51 Primer HK

Water-borne synthetic resin based primer

## DESCRIPTION

SikaWall®-51 Primer HK is a ready-to-use, low-VOC, synthetic resin-based primer. SikaWall®-51 Primer HK enhances the performance and adhesion of mortars to existing ceramics and difficult-to-bond-to substrates. SikaWall®-51 Primer HK improves bonding of self-leveling underlayments and bonds of render coats over cementitious substrates.

## USES

- Interior application only
- Use to improve the bonding on non-absorbent surfaces i.e. ceramic tile, cement
- Plywood substrate before applying polymer-modified mortars.
- Use before application over sound and stable concrete substrates
- Can improve bonding of cement
- Can be applied to metal surfaces

## CHARACTERISTICS / ADVANTAGES

- Ready-to-use
- Easy to apply with a roller or brush
- One-component, versatile primer for a wide range of substrate conditions
- Low odor and VOC
- Easy handling and application properties
- Reduces suction on porous substrates
- Improves adhesion on smooth substrates

## PRODUCT INFORMATION

<b>Packaging</b>	5 kg/pail
<b>Shelf Life</b>	24 months from the date of production.
<b>Storage Conditions</b>	Stored properly in undamaged and unopened original sealed packaging. Protect from direct sunlight and frost.
<b>Colour</b>	Grey
<b>Density</b>	1.5 g per cm <sup>3</sup>
<b>pH-Value</b>	~ 8
<b>Tensile Adhesion Strength</b>	>1.5 MPa on concrete / steel surface
<b>Service Temperature</b>	+5 °C to +40 °C

## 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.

## LIMITATIONS

- Due to different condition on substrate, environment and subsequent material applied on the primer, please perform a trial test to ensure meeting the performance and requirement before using the primer.
- The product is not recommended for water immersions.
- The application must only be carried out by experienced specialists, if additional clarification is needed, please contact your local Sika Technical Service Department.

## 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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum tensile strength of 1.5 N/mm<sup>2</sup>.
- Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
- Cementitious substrates must be prepared mechanically using suitable abrasive blast cleaning or planing / scarifying equipment to remove cement laitance and achieve an open textured gripping surface profile suitable for the product thickness.
- High spots can be removed by grinding.
- Weak cementitious substrates must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of cracks, blowholes/voids and surface levelling must be carried out using appropriate products from the Sika-floor®, Sikadur® and Sikagard® range of materials. Products must be cured before applying SikaWall®-51 Primer HK.

- All dust, loose and friable material must be completely removed from all surfaces before application of the product and associated system products, preferably by vacuum extraction equipment.

### APPLICATION

Apply SikaWall®-51 Primer HK with roller or brush. Ensure that the surface receives a complete, thin film of product. Polymer-modified mortar or render coat may be applied once the primer is dry. The waiting time is from 2 to 5 hours but not more than 24 hours depending upon the surrounding conditions and substrate porosity. If completed coverage hasn't been achieved or the original surface is visually showing through, a second coat can be applied after a longer period of time, typically after 2 to 3 hours.

### 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.

### 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.

#### SIKA HONGKONG LTD.

Rm.1507-12, Blk A, New Trade Plaza,  
6 On Ping Street, Shatin, N.T., H.K.  
Phone: +852 26868108  
Fax: +852 26453671  
Mail: marketing@hk.sika.com  
Website: www.sika.com.hk



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