

## PRODUCT DATA SHEET

# Sika® WP Shield Primer

Water based bituminous primer for SikaBit® and Sika® WP Shield range of pre-formed Bituminous Sheet Membranes

### DESCRIPTION

Sika® WP Shield Primer is water based modified bituminous primer which penetrates and activates the substrates and also improves adhesion between the substrate and pre-formed bituminous sheet membranes Sika® WP Shield range & SikaBit® T range.

### USES

Used as a primer for better adhesion of the torch-on and stick-on Atactic Polypropylene (APP) and Styrene Butadiene Styrene (SBS) modified bituminous waterproofing pre-formed sheet membranes.

### CHARACTERISTICS / ADVANTAGES

- Excellent bond with concrete, screed mortar, porous stones and lime-concrete substrates
- Bonds well with old bituminous substrates
- Effective activation of the surface to receive the waterproofing sheet membrane
- Specially designed for tropical conditions

### PRODUCT INFORMATION

<b>Chemical Base</b>	Bitumen emulsion	
<b>Packaging</b>	20 kg metal drum	
<b>Colour</b>	Black, low viscous liquid	
<b>Shelf Life</b>	12 months from the date of production	
<b>Storage Conditions</b>	Store properly in original unopened, sealed and undamaged packaging, in covered area at temperatures between +20 °C and +35 °C. Store vertically with top side up. Protect from direct sunshine, rain, snow, ice, etc.	
<b>Density</b>	1.00 ± 0.02 kg/L (at +25 °C)	(IS 101 : Part 1 : Sec 7)
<b>Solid Content</b>	45 ± 5 %	(IS 101 : Part 2 : Sec 2)

### APPLICATION INFORMATION

<b>Consumption</b>	0.250–0.400 kg/m <sup>2</sup> per coat Coverage of the primer may vary depending on substrate condition, porosity, ambient temperature and humidity.	
<b>Ambient Air Temperature</b>	+10 °C min. / +40 °C max.	
<b>Substrate Temperature</b>	+10 °C min. / +40 °C max.	

## Drying Time

Touch Dry  
(concrete substrate)

Max. 4 hrs

(ASTM D 1640)

Hard Dry  
(concrete substrate)

Max. 6 hrs

The above values are at  $23 \pm 2$  °C &  $50 \pm 5$  % Relative Humidity and may vary according to the change in temperature, humidity, ventilation, wind, substrate quality, etc.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

Concrete, lime-concrete and mortar screed surfaces must be clean, free from grease, oil & loosely adhering particles.

### SUBSTRATE PREPARATION

New concrete should be cured for at least 28 days and should have a pull off strength  $\geq 1.5$  N/mm<sup>2</sup>. Cementitious or Mineral based substrates must be prepared mechanically using wire brush, grinder, abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. Use Sikadur® or SikaLatex® or SikaMonotop® range of repair materials for filling in potholes, voids or cracks on the substrates.

### MIXING

Sika® WP Shield Primer is a ready to use product. Dilution is sometimes permissible but strictly as per the advice of Sika® Technical Service in case the product is not of brushable consistency due to site and weather conditions. Stir the contents well before application.

### LIMITATIONS

The primer may become high viscous due to change in ambient conditions like temperature and humidity that might affect the consistency and increase consumption of the primer. Under such situation, a site modification by slightly diluting the primer as per the advice of the Sika® Technical Service may be necessary to achieve the desired application consistency. The dilution is to be fixed on the basis of site trials but not to exceed 10% by weight of the primer.

## 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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