

# PRODUCT DATA SHEET

## SikaCoat Plus

MULTIPURPOSE HIGH FLEXIBLE ACRYLIC BASED, ALKALI RESISTANT LIQUID APPLIED MEMBRANE

### DESCRIPTION

One component multipurpose high flexible acrylic based, alkali resistant liquid applied membrane. It can be applied on parapet walls, external walls, etc.

### USES

- SikaCoat Plus used for new plastering\*
- Finishing
- Sealing joints, laps and roofing screws on various kind of roofs (roof tile, asbestos, zinc)
- Parapet walls
- External walls

\* After 3 days cured with moisture < 25 % and pH < 11.

### CHARACTERISTICS / ADVANTAGES

- Alkali resistant
- Reduce construction times
- Easy application
- Excellent hiding power
- High elasticity
- Excellent UV stability
- Impermeable
- Crack bridging ability
- Can be diluted with 10% water (we only recommend for priming)
- Low consumption

### PRODUCT INFORMATION

<b>Chemical Base</b>	Aqueous Acrylic Dispersion
<b>Packaging</b>	20 kg pail
<b>Colour</b>	Grey and White (other colors may be consulted)
<b>Shelf Life</b>	12 months from date of production.
<b>Storage Conditions</b>	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C and protect from direct sunlight.
<b>Density</b>	~1.24 kg/L (at +30 °C) <span style="float: right;">(EN ISO 2811-1)</span>

### TECHNICAL INFORMATION

<b>Tensile Strength</b>	> 2 N/mm <sup>2</sup> (without membrane)	(ASTM D412: 2006a (2013))
<b>Elongation at Break</b>	> 400 % (without membrane)	(ASTM D412: 2006a (2013))
<b>Adhesion in Peel</b>	> 1.5 N/mm <sup>2</sup> (without membrane)	(ASTM D4541: 2002)

### SYSTEM INFORMATION

## System Structure

Without Membrane System (DFT ~200 micron) :

First coat	: 1 x SikaCoat Plus
Second coat	: 1 x SikaCoat Plus

## APPLICATION INFORMATION

Ambient Air Temperature	< 35 °C
Substrate Temperature	< 35 °C
Drying Time	> 3 hours depending upon ambient conditions
Applied Product Ready for Use	Without membrane
	First Coat : consumption : 0.3 kg/m <sup>2</sup>
	Subsequent Coats : consumption : 0.3 kg/m <sup>2</sup>

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Surface must be clean, sound and properly cured. Remove all loose materials mechanically, preferably with a wire brush. Iron and steel surfaces should be free of rust.

### APPLICATION

For Wall (Without Membrane):

- For porous substrate, apply first coat diluted with 10% water as primer layer. Allow enough drying time (>3 hours).
- Apply SikaCoat Plus in two coats (0.3 kg/m<sup>2</sup>/coat), by brush or roller.

For Detailing Area (With Membrane):

- For porous substrate, apply first coat diluted with 10% water as primer layer. Allow enough drying time (>3 hours).
- Apply a first coat (0.8 - 1 kg/m<sup>2</sup>) of SikaCoat Plus by brush or roller.
- Embed the SikaCoat Plus membrane into the second coat while it is still wet. Ensure that the membrane is thoroughly embedded and smooth out all air pockets and creases. Overlaps of adjacent membrane must be a minimum of 50 mm.
- Immediately apply a second coat (0.8 - 1 kg/m<sup>2</sup>) of SikaCoat Plus while the first coat is still wet, to fully saturate the membrane from both sides.
- When dry, apply a final top coat (~0.4 kg/m<sup>2</sup>) to complete the application. Protect from rain until dry.

### CLEANING OF TOOLS

Remove uncured surface SikaCoat® Plus with water. Cured material can only be removed mechanically.

## LIMITATIONS

- Two or more coats of coating are highly recommend than one thick coat
  - Ambient and surface temperatures must be below +35°C during application.
  - Do not attempt application if rain is imminent.
  - Avoid any ponding water on top of SikaCoat Plus.
  - Allow minimum three days\* curing time for cementitious substrates before apply SikaCoat Plus.
- \* After 3 days cured with moisture < 25 % and pH < 11.

## 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, 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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