

## PROVISIONAL PRODUCT DATA SHEET 2019-03-25

# Sika Concrete Primer LO

TWO-COMPONENT, LOW ODOUR, RAPID CURING, HIGH SOLIDS POLYUREA/POLYURETHANE HYBRID PRIMER.

## DESCRIPTION

Sika Concrete Primer LO is a two-component, low odour, rapid curing, high solids, PUA/PU hybrid primer for consistent and durable adhesion of SikaRoof® MTC, SikaRoof® i-Cure, SikaRoof® PUR, Sikalastic® and Sikafloor® Systems on cement based substrates.

## USES

Versatile primer on cementitious substrates for use with:

- SikaRoof® MTC, SikaRoof® i-Cure, SikaRoof® PUR
- Sikalastic® roofing systems
- Sikafloor® balcony waterproofing systems

## CHARACTERISTICS / ADVANTAGES

- Low odour application
- Fast curing - overcoating possible after 30 minutes
- Significantly reduces the likelihood of out-gassing from susceptible substrates
- Consolidates dusty or friable surfaces
- Easy application by roller or brush
- Can be filled with quartz sand and used as a scratch coat

## PRODUCT INFORMATION

<b>Composition</b>	Hybrid polyurea	
<b>Packaging</b>	1.0 l unit	0.77 l component A 0.23 l component B
	4.5 l unit	3.48 l component A 1.02 l component B
	11.5 l unit	8.89 l component A 2.61 l component B
<b>Appearance / Colour</b>	Colourless to pale yellow	
<b>Shelf life</b>	12 months from date of production	
<b>Storage conditions</b>	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 0 °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.	
<b>Density</b>	~1.05 kg/l (23 °C)	(EN ISO 2811-1)

## SYSTEMS

<b>Compatibility</b>	Part of the systems certified according to the ETA-005, including roof waterproofing systems based on Sikalastic®-631 and Sikalastic®-641, certificate no. ETA-14/0177
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## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Component A : Component B = 3.4:1 (by volume)		
<b>Consumption</b>	Apply in one to two coats, with a consumption of ~0.15–0.2 kg/m <sup>2</sup> /coat depending upon surface roughness and absorption. <small>NOTE: These figures are theoretical and can be influenced due to surface porosity, surface profile, variations in level and wastage etc.</small>		
<b>Ambient Air Temperature</b>	+5 °C min. / +30 °C max.		
<b>Dew Point</b>	Beware of condensation. The substrate and uncured coating must be ≥3 °C above dew point.		
<b>Substrate Temperature</b>	+5 °C min. / +30 °C max.		
<b>Substrate Moisture Content</b>	≤6 % pbw moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).		
<b>Pot Life</b>	Sika Concrete Primer LO is designed for fast curing. High temperatures combined with high air humidity will increase the curing process. Thus, mixed material in opened containers should be applied immediately. In opened containers, the material will form a film after approx. 30 minutes.		
<b>Waiting Time / Overcoating</b>	<b>Temperature</b>	<b>Minimum waiting time</b>	<b>Maximum waiting time</b>
	10 °C	60 min	24 hours
	20 °C	30 min	24 hours
Note: Apply an additional coat if more than 24 hours pass before coating. 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/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.

### 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 be 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 Concrete Primer LO by mixing component A until uniform. Add the component B into component A container and re-mix until homogeneous. Sika Concrete Primer LO can be applied by short-piled roller or brush. Allow primer to dry sufficiently (see waiting time / overcoating) before overcoating.

## IMPORTANT CONSIDERATIONS

- Do not apply Sika Concrete Primer LO on substrates with rising moisture.
- Do not use Sika Concrete Primer LO for indoor applications.
- Protect freshly applied Sika Concrete Primer LO from damp, condensation and water for at least 24 hours.
- Do not apply close to the air intake vent of a running air conditioning unit.
- 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<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- Allow new concrete to cure/hydrate for a minimum

of 10 days prior to application, preferably 28 days.

## BASIS OF PRODUCT DATA

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

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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