

## PRODUCT DATA SHEET

# Sika® Concrete Primer LO

Low odour rapid curing polyurea / polyurethane hybrid primer

### PRODUCT DESCRIPTION

Sika® Concrete Primer LO is a 2-part, low odour, rapid curing, PUA/PU hybrid primer. It consolidates cementitious substrates and improves the adhesion of Sika Liquid Applied Roofing Membranes and Balcony Waterproofing Systems

### USES

Primer on cementitious substrates for use with Sika Liquid Applied Roofing Membranes and Balcony Waterproofing Systems.

The Product may only be used for exterior applications.

### CHARACTERISTICS / ADVANTAGES

- Can be applied on projects subject to odour restrictions
- Fast curing increases productivity and saves time
- Consolidates dusty or friable substrates providing enhanced adhesion
- Overcoating possible after ~30 minutes
- Can be filled with quartz sand and used as a scratch coat
- Good penetration
- Reduces the absorbency of the substrate
- Easily application
- Applied by brush or fleece roller
- Reduces the risk of out-gassing from susceptible substrates
- Reduces the risk of substrate outgassing

### APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to European Technical Assessment ETA 20/1015, based on EAD 030350-00-0402 — Liquid-applied roof waterproofing using kits based on polyurethane

### PRODUCT INFORMATION

<b>Chemical Base</b>	Hybrid polyurea	
<b>Packaging</b>	Parts A+B	1,0 L ready to mix unit
	Parts A+B	4,5 L ready to mix unit
	Parts A+B	11,5 L ready to mix unit
	Refer to current price list for packaging variations	
<b>Appearance / Colour</b>	Colourless to pale yellow	
<b>Shelf Life</b>	Part A - 12 months from date of production	
	Part B - 24 months from date of production	
<b>Storage Conditions</b>	The Product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between 0 °C and +25 °C. Always refer to packaging.	

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Part A:Part B = 3,4:1 (by volume)		
<b>Consumption</b>	~0,15–0,2 kg/m <sup>2</sup> /coat. Apply in 1 or 2 coats These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.		
<b>Ambient Air Temperature</b>	+5 °C min. / +30 °C max.		
<b>Dew Point</b>	Beware of condensation. The substrate and uncured applied coating must be ≥ +3 °C above dew point.		
<b>Substrate Temperature</b>	+5 °C min. / +30 °C max.		
<b>Substrate Moisture Content</b>	The Product can be applied on substrates with a moisture content of ≤ 6 %. The substrate must be visibly dry with no standing water. The following test methods can be used to determine the substrate moisture content: <ul style="list-style-type: none"> <li>▪ Sika®-Tramex meter</li> <li>▪ CM-measurement</li> <li>▪ Oven-dry-method</li> </ul>		
<b>Pot Life</b>	<ul style="list-style-type: none"> <li>▪ The product is formulated for fast curing.</li> <li>▪ Material in opened containers must be applied immediately.</li> <li>▪ Pot life will decrease at higher temperatures and increase at lower temperatures.</li> </ul>		
<b>Waiting Time / Overcoating</b>	<b>Temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+10 °C	60 minutes	24 hours
	+20 °C	30 minutes	24 hours
<p>Note: Apply an additional coat if more than 24 hours is exceeded before applying other products. Times are approximate and will be affected by film thickness and changing ambient conditions particularly temperature and relative humidity.</p>			

## VALUE BASE

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.

- If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish. For heating, use only electric powered warm air blower systems.

## FURTHER DOCUMENTS

Sika Method Statement: Sika® Concrete Primer LO

## LIMITATIONS

- Do not apply on substrates with rising moisture.
- Do not apply on substrates that are unstable.
- Protect the freshly applied Product from damp, condensation and water for at least 24 hours.
- Do not apply close to running air conditioning unit intake vents. Switch off units and seal intakes before applying.
- The incorrect assessment and treatment of cracks in the substrate may lead to a reduced service life and reflective surface cracking.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

#### IMPORTANT

Reference must be made to the Sika Method State-

ment: Sika® Concrete Primer LO.

### Concrete / cementitious

- The substrate must be sound with a minimum tensile adhesion strength of 1,5 N/mm<sup>2</sup>, clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
- New concrete must be cured for at least 10 days.
- Substrates must be prepared mechanically using appropriate substrate preparation 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 joints, 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 Sika® Concrete Primer LO.
- Remove dust by industrial vacuuming equipment.

### Glazed tiles

1. Make sure all tiles are securely fixed.
2. Replace or fix any broken, loose or missing tiles.
3. Remove glaze mechanically using appropriate substrate preparation equipment.
4. Thoroughly clean the surface by power washing and allow to dry.

### MIXING

#### IMPORTANT

Over mixing must be avoided to minimise air entrainment.

Note: Use an electric single or double paddle mixer (300–400 rpm) with a spiral paddle for mixing.

Note: Mix full units only.

1. Add Part B to Part A and mix Part A+B continuously for a minimum 3,0 minutes.

### APPLICATION

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

1. Confirm product application conditions: substrate moisture content, substrate, air and product temperatures, relative humidity and dew point (Refer to Application Information).
2. Pour the mixed Product onto the surface. The consumption is specified in the Application Information.
3. Apply the Product evenly over the surface with a short-piled roller or brush.

4. Back roll the surface in two directions at right angles with a short-piled roller.
5. The primer must be continuous and pore free.

### CLEANING OF TOOLS

Clean all tools and application equipment with Thinner C immediately after use. Hardened material can only be removed mechanically or with a proprietary paint stripper.

### 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.

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#### Product Data Sheet

Sika® Concrete Primer LO  
April 2025, Version 02.02  
02091595100000061

SikaConcretePrimerLO-en-GB-(04-2025)-2-2.pdf