



Sika® Concrete Primer

(Liquid Plastics Quick Cure Primer)

Two-component primer for consistent and durable adhesion between Sikalastic®-601 BC, Sikalastic®-602 BR and cementitious substrates

Construction

Product Description

Sika® Concrete Primer is a two component, rapid curing, high solids, solvent based polyurea primer

Uses

Bonding agent for Sikalastic®-601 BC, Sikalastic®-602 BR and cementitious substrates

Characteristics / Advantages

- Significantly reduces the likelihood of outgassing from susceptible substrates
- Seals and primes substrates enabling over-coating at a minimum of 30 minutes (under ideal conditions)
- Combines a rapid cure time with a long pot life
- Helps to stabilise substrates
- Easy application by brush or roller
- Can be used between coats to locally address pin-holeing

Product Data

Form

Appearance / Colours Colourless to pale yellow

Packaging Sika® Concrete Primer is available in 12kg (Part A 9.8kg, Part B 2.2kg)

Storage

Storage Conditions / Shelf Life 6 months from date of production if stored properly in original, unopened and undamaged sealed container in a cool, dry location away from direct sunlight

Technical Data

Chemical Basis Two component solvent based polyurea

Density 1.02 kg/l

Flash Point Part A: 40 °C
Part B: 73 °C



System Information

Application Details

Substrate Quality Substrates should be free from laitance, dust, oil and grease achieved by wire brushing or mechanical preparation.

Substrate Preparation Allow a minimum of 28 days before overcoating new concrete. The concrete should have a Pull off strength $\geq 1.5 \text{ N/mm}^2$. Defects or damage to concrete decks must be made good using appropriate polymer modified repair mortar. Any repairs should be allowed a minimum of 72 hours to cure and until such time as the moisture content has fallen to the permissible level.

Application Conditions / Limitations

Substrate and ambient Temperature +5 °C min. / +30 °C max.

Substrate Moisture Content < 4 % moisture content.
No rising moisture according to ASTM (Polyethylene-sheet). No water / moisture / condensation on the substrate.

Dew Point Beware of condensation! Surface temperature during application must be at least +5 °C above dew point.

Consumption 1 or 2 coats with a consumption of 0.1275 kg/m^2 per coat depending upon surface roughness and absorption

Application Instructions

Application Method Ensure surface is dry and free from dust and laitance. Previously primed areas must be free from contamination before re-priming or top coating. Product may be applied to damp surfaces but these must not be visibly wet (see substrate moisture content).

Prepare primer by mixing the base until uniform. Add the activator and re-mix until homogeneous.

Apply between 5 and 30 °C. Air and substrate temperatures should remain a minimum of 5 °C above dew point throughout the application and curing periods. Apply by brush or roller.

Application Tools Brush or roller. Use brushes for small areas only.

Pot life 1 hour at 20 °C
Note: Pot life will decrease at higher temperatures.

Waiting Time / Overcoating At 20 °C: Dry to touch 10 minutes
Dry through 30 minutes
Apply an additional coat if more than 5 days pass before coating

Notes on Application / Limitations Do not apply in wet weather or to wet surfaces.

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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.

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.

Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, user shall refer to the most recent Material Safety Data Sheet 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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