

Icosit® KC 330 Primer

1-pack Polyurethane Primer

Product Description

1-pack, ready for use, solvent-containing, reaction-curing Polyurethane sealer.

Uses

- Adhesion promoter as pre-treatment of dry concrete as well as steel and asphalt surfaces. For improving adhesion of flexible grouts of the **Icosit® KC 330 / 340**-range of products.
- Not for damp surfaces.

Characteristics / Advantages

- Moisture-curing
- Highly abrasion resistant
- Tough-hard
- Good penetration and substrate solidification

Product Data

Appearance / Colours Yellowish-brown / transparent

Packaging 3 Litre pail

Conditions of storage / Shelf-Life In cool and dry environment between + 10 °C and + 25 °C, protected from direct sun radiation in undamaged and unopened original containers approx. 12 months from date of manufacture. Protect from frost.
Once a pail has once been opened and re-sealed, primer should be used up within max. 3 days.

Technical Data

Chemical base 1-pack Polyurethane primer

Density Ca. 1.0 kg/l (ISO 2811-1)

Temperature Resistance Dry heat short-term up to ca. + 150 °C, liquids up to ca. + 60 °C

Chemical Resistance

Permanently resistant to:

- Water
- Many detergent solutions
- Seawater

Short-term resistant against:

- Mineral oil, Diesel fuel

Not or only short-term resistant to:

- Organic solvents (esters, ketones, aromates) and Alcohol
- Concentrated lyes and acids

For more details consult our technical service personnel.

System Information

Consumption / Dosage	Depending on condition and absorption of substrate approx. 0.1 to 0.2 kg/m ² .
Substrate Quality	Substrate shall be solid, free from loose and friable particles. Surface shall be dry (max. 3 % b. w. residual moisture), free from oil and fat. Pull-off strength above 1.5 N/mm ² .
Substrate Preparation	Layers of insufficient strength and oily contamination must be removed mechanically, e. g. by blastcleaning or scabbling.

Application Conditions

Material temperature	Before application, Icosit® KC 330 Primer should preferably be stored at min. + 15 °C.
Substrate temperature	+ 5 °C min. / + 35 °C max.
Ambient temperature	+ 5 °C min. / + 35 °C max.
Substrate humidity	Dry
Relative air humidity	Min. 30%; max. 70%

Application Instructions

Application Method / Tools	<p>Icosit® KC 330 Primer may be applied by brush, short-piled nylon roller or spray.</p> <p>By spray: With cup gun (1.2 – 1.5 mm nozzle) or from pressure feed container (1 – 2 mm nozzle, 3 – 4 bar). Use of efficient water trap for atomization air is essential.</p> <p>Beware of solvent fumes!</p>
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Cleaning of Tools	<p>Tools have to be cleaned at regular intervals during and immediately after finishing work, using Sika® Cleaner 5.</p> <p>Cured material can only be removed mechanically.</p>
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Potlife	Contents of opened tin should be used within the same day.
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Curing Time	at 40 – 60 % relative humidity
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Temperature	+ 10 °C	+ 20 °C	+ 30 °C
Minimum	3 hours	1 hour	1 hour
Maximum	3 days	3 days	3 days

Please Observe	<p>For ease of application, we recommend a material temperature of min. + 15 °C.</p> <p>During application and curing, air and substrate temperature should be ideally at least + 5 °C. Lower temperatures will delay the curing process.</p> <p>If relative air humidity falls below 25%, chemical reaction and curing will practically come to a standstill.</p> <p>Badly ventilated rooms need forced ventilation during application and drying.</p> <p>If a waiting time of 3 days is exceeded, Icosit® KC 330 Primer may be overcoated with itself after blastcleaning or grinding only.</p>
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Value Base	<p>All technical data stated in this Product Data Sheet are based on laboratory tests.</p> <p>Actual measured data may vary due to circumstances beyond our control.</p>
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Local Restrictions	<p>Please note that as a result of specific local regulations the performance of this product may vary from country to country.</p> <p>Please consult the local Product Data Sheet for the exact description of the application fields.</p>
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Health and Safety Information

Protective Measures **Icosit® KC 330 Primer** falls under the dangerous goods regulations (class 3.3, flammable liquid). During application please observe safety hints on container labels and local regulations. During application and curing in confined areas, ditches, shafts etc. adequate ventilation must be provided. During this time open fire and other igniting agents (e.g. welding works) must be avoided **Icosit® KC 330 Primer** contains Isocyanate. Isocyanate containing material may cause irritation and – under permanent exposure – sensitization of skin, eyes and respiratory tract and may also lead to allergic reactions. Allergic persons and persons tending to illness of respiratory tract should not come into contact with this kind of materials. Therefore avoid direct contact with the liquid components (chemical resistant gloves/goggles/clothing) to prevent direct contact with skin and eyes. Use only in presence of adequate general and local exhaust ventilation to prevent concentration of vapours. Use properly fitted NIOSH respirator if ventilation is poor. Cured product (as combined with companion component) is chemically inert but very difficult to remove from skin or any objects to which it adheres. Cured product must be mechanically removed. In case of spill, avoid direct contact. Wearing protective equipment, contain and collect spill with absorbent material and place in suitable container. Ventilate enclosed area. Do not dispose of in sewer or drain. Dispose of spilled or excess product and container in accordance with applicable federal, state and local environmental regulations. Prior to as well as after application use fat-free barrier cream. After completion of work clean skin with plenty of soap and water and again protect with fat-containing barrier cream. For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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Important Notes Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste in agreement with the responsible local authorities. Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet. 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 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 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 Product Data Sheet for the product concerned, copies of which will be supplied on request.