

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

Colour shade Yellowish-brown / transparent

Packaging 3 Litre pail

Conditions of storage / shelf life In cool and dry environment between +10° 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 properties

Chemical base 1-pack Polyurethane primer

Density

Density	~ 1,00kg/l	ISO 2811-1
Volume solids	~ 38 %	DIN 53 216

Temperature resistance Dry heat short-term up to ~ + 150 °C, liquids up to ~ + 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.

Construction



System Information

Consumption	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

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

Hints for application

Application methods / tools	Icosit KC 330 Primer may be applied by brush, short-piled nylon roller or spray. <i>By spray:</i> 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. Beware of solvent fumes!
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Cleaning of tools	Tools have to be cleaned at regular intervals during and immediately after finishing work, using Sika Cleaner 5. Cured material can only be removed mechanically.
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Potlife	Contents of opened tin should be used within the same day
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Waiting time between operations	at 40 - 60 % relative humidity												
	<table border="1"><thead><tr><th></th><th>+ 10 °C</th><th>+ 20 °C</th><th>+ 30 °C</th></tr></thead><tbody><tr><td>Minimum</td><td>3 hours</td><td>1 hour</td><td>1 hour</td></tr><tr><td>Maximum</td><td>3 days</td><td>3 days</td><td>3 days</td></tr></tbody></table>		+ 10 °C	+ 20 °C	+ 30 °C	Minimum	3 hours	1 hour	1 hour	Maximum	3 days	3 days	3 days
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Please observe:	For ease of application, we recommend a material temperature of min. +15°C. During application and curing, air and substrate temperature should be ideally at least + 5 °C. Lower temperatures will delay the curing process. If relative air humidity falls below 25%, chemical reaction and curing will practically come to a standstill. Badly ventilated rooms need forced ventilation during application and drying. . If a waiting time of 3 days is exceeded, Icosit 330 Primer may be overcoated with itself after blastcleaning or grinding only.
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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.
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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.
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Health and Safety Information	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.
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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.

Data basis

All technical data, figures and information in this product data sheet are based on laboratory tests. Due to conditions beyond our control, test results obtained in practice may vary.

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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