BUILDING TRUST

PRODUCT DATA SHEET

Icosit® KC 330 Primer

1-PACK POLYURETHANE PRIMER

DESCRIPTION

1-pack, polyurethane ready to use, solvented, reaction-curing primer.

USES

Icosit® KC 330 Primer may only be used by experienced professionals.

- Adhesion promoter as pre-treatment of dry concrete, steel and asphalt substrates. For improving adhesion of the Icosit KC 330 / 340-range of products.

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Chemical Base	1-pack polyurethane
Packaging	3 Litre container Refer to current price list for packaging variations.
Colour	Yellowish-brown / transparent
Shelf Life	12 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +25 °C. Always refer to packaging.
Density	~1,0 kg/l (ISO 2811-1)

TECHNICAL INFORMATION

Chemical Resistance	**Long-term resistant against:** ▪ Water ▪ Many detergent solutions ▪ Seawater **Temporary resistant against:** ▪ Mineral oil, Diesel fuel **Short-term or no resistance against:** ▪ Organic solvents (esters, ketones , aromates) and Alcohol ▪ Concentrated lyes and acids Contact Sika Technical Services for specific information.

Thermal Resistance	Dry heat short-term up to approximately +150 °C, liquids up to approximately +60 °C
Service Temperature	-40 °C minimum / +80 °C maximum short term maximum 150 °C

APPLICATION INFORMATION

Consumption	~0,1 to 0,2 kg/m². Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.
Product Temperature	Condition product before application preferably at ~+15 °C
Ambient Air Temperature	+5 °C min. / +35 °C max.
Relative Air Humidity	Min. 30 %, max. 70 %
Substrate Temperature	+5 °C min. / +35 °C max
Substrate Moisture Content	≤3 % parts by weight. Minimum +3 °C above dew point temperature
Pot Life	Contents of opened container should be used within the same day
Waiting Time / Overcoating	At 40–60 % relative humidity

	+10 °C	+20 °C	+30 °C
Minimum	3 hours	1 hour	1 hour
Maximum	3 days	3 days	3 days

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Substrate must be sound, free from oil, grease, loose and friable particles. Concrete tensile strength ≥ 1,5 N/mm².

SUBSTRATE PREPARATION

Cementitious substrates must be prepared mechanically using suitable abrasive blast cleaning or planing / scarifying equipment to remove cement laitance and achieve an open textured gripping surface. 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 and filled / repaired with compatible Sika® products.
Steel substrates must be prepared mechanically using suitable abrasive blast cleaning to remove all corrosion products and achieve a bright metal finish.
All dust, loose and friable material must be completely removed from all surfaces before application of the product and associated system products, preferably by vacuum extraction equipment.

APPLICATION METHOD / TOOLS

Apply Icosit® KC 330 Primer onto the prepared substrate and apply by brush, short-piled nylon roller or spray. Ensure a continuous coat covers the substrate.
Spray application equipment:
Cup gun sprayer (1,2–1,5 mm nozzle) or from pressure feed container (1–2 mm nozzle 3–4 bar). Use of efficient water trap for air atomisation is essential.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened material can only be removed mechanically

LIMITATIONS

- To achieve optimum application performance, condition the material to a temperature of +15 °C before application.
- 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 be delayed.
- Beware of solvent fumes vaporising from product during and after application.
- Poorly ventilated work areas need forced ventilation during application and drying.
- If a waiting time of 3 days is exceeded, Icosit® KC 330 Primer must be removed from substrate by blast cleaning, grinding or other suitable preparation technique and re-applied.
- Do not use on damp substrates.

BASIS OF PRODUCT DATA

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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