

Product Data Sheet
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Sikagard® CC PU

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1-component water based clear polyurethane coating

Product Description

Sikagard® CC PU is one component water based non yellowing, aliphatic, transparent polyurethane coating for different resin flooring surfaces.

Uses

- Sacrificial protective treatment for walls and floors coated with epoxy, polyurethane or acrylic coverings

Characteristics / Advantages

- Water based
- Low odour
- UV resistance, non-yellowing
- Good abrasion resistance
- Glossy aesthetic finish
- High chemical resistance
- Easy to clean

Product Data

Form

Appearance / Colours Clear transparent, liquid

Packaging 4kg x 2 container ready to use units

Storage

Storage Conditions / Shelf Life 6 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +35°C.

Technical Data

Chemical Base Polyurethane resin

Density 1.04 kg/l at 27°C

Resistance

Thermal Resistance

Exposure*	Dry heat
Permanent	+50°C

*No simultaneous chemical and mechanical exposure.



System Information

System Structure	<i>Sealing of smooth EP / PUR coatings:</i> Base coat: e.g. Sikafloor®-261(S) Sacrificial seal coat: 1-2 x Sikagard®-CC-PU
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Application Details

Consumption / Dosage

Coating System	Product	Consumption
Sealing of smooth surfaces	Sikagard® CC PU	0.10 - 0.15 kg/m ² /layer

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

Substrate Quality The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. Pull-off strength must be not less than 1.5 N/mm².

If in doubt, apply a test area first.

Substrate Preparation All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

Application Conditions / Limitations

Substrate Temperature +8°C min. / +35°C max.

Ambient Temperature +8°C min. / +35°C max.

Relative Air Humidity 75% max.

Dew Point Beware of condensation!

The substrate and uncured floor must be at least 3°C above the dew point to reduce the risk of condensation or blooming on the floor finish.

Application Instructions

Application Method / Tools Prior to application, confirm r.h. and dew point.
Seal coat:
Uniformly spread Sikagard® CC PU by using a short pile nylon roller.
A seamless finish can be achieved if a "wet" edge is maintained during application.

Cleaning of Tools Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

Waiting Time / Overcoating Before applying Sikagard® CC PU on Sikafloor®-261 (S) allow:

Substrate temperature	Minimum
+10°C	4 days
+20°C	3 days
+30°C	2 days

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Notes on Application / Limitations

Freshly applied Sikagard® CC PU must be protected from damp, condensation and water for at least 7 days (+20°C).

Apply Sikagard® CC PU to tack free Sikafloor®-261 (S).

Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealers coats. Therefore substrate and adjacent areas must be cleaned thoroughly prior to application.

If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

Curing Details

Applied Product ready for use

Temperature	Foot traffic	Light traffic	Full cure
+10°C	~ 48 hours	~ 5 days	~ 14 days
+20°C	~ 36 hours	~ 3 days	~ 7 days
+30°C	~ 24 hours	~ 2 days	~ 5 days

Note: Times are approximate and will be affected by changing ambient conditions.

Cleaning / Maintenance

Methods

To maintain the appearance of the floor after application, Sikagard® CC PU must have all spillages removed immediately and be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc using suitable detergents and waxes.

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.

Health and Safety Information

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.

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.

