

SILIKAL® PU Concrete Top Coat

Polyurethan concrete sealer



SILIKAL PU Concrete Top Coat is a 4-component, solvent-free, polyurethane concrete screed product. It is used as a heavy duty, hard wearing coating system with outstanding mechanical and thermal resistance on top of fully sprinkled PU Concrete M/S coatings.

Properties

- Easy to apply
- High temperature resistance
- High mechanical resistance
- Low odour during application

Fields of application

- For cementitious screeds and concrete substrates in indoor areas
- For medium to high mechanical loaded areas with a simultaneous chemical and/ or thermal load.

Technical Data

Components	Resin (Comp.-A): 2.4 kg Hardener (Comp.-B): 2.5 kg Silikal Filler Top Coat: 4.0 kg Pigment powder: 0.5 kg
Density of the mixture	1.9 kg/l
Minimum curing temperature	+10 °C (temperature of the substrate) The temperature of the substrate should exceed the dew point by +3 °C!
Recommended application temperature	+15 to +25 °C
Application time (Pot life) at +20 °C	max. 15 min
Curing time at +20 °C	- walk on – after 16 h - light traffic – after 24 h - fully cured after 7 days
Consumption (depending on surface structure)	app. 900 – 1200 g/m ²

High temperatures shorten, low temperatures prolong all times indicated. A change in the consistency and consumption must be taken into account. A temperature change of 10 °C leads in general to halving or doubling of the times indicated.

Substrate

Fully sprinkled Silikal PU Concrete S/M coatings. After hardening the excess sand (or other aggregates) is removed completely.

Instruction of use

SILIKAL® PU Concrete Top Coat is delivered in pre-weighted component to suit a full mix. Do not split the components. Use a suitable sized container and add all of the Hardener (Comp.-B) to the resin (Comp. A). Mix for 30 seconds before adding the Filler (Comp.-C) and the pigment powder (Comp.-D). Ensure that the filler and the pigment are mixed in from the sides of the container and mix for 3 minutes to ensure an homogenous mixture with good rheological properties. Take care to mix each unit for an equal amount of time, otherwise colour variances could occur.

Before the next mix, scrape out any residual material from the mixing vessel and dispose of before starting the next mix; otherwise the working time of the following mix could be reduced.

The mixed product should be poured out over the floor and roughly spread with a rubber blade first. Immediately after this it should be rolled crosswise with a paint roller.

The temperature should be at least +15 °C to achieve the best results during application. The temperature of the substrate should be at least +10°C, although a temperature of +15 – +25 °C is recommended.

The temperature of the substrate should exceed the “dew point” by more than 3 °C during application and hardening.

Silikal product information

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SILIKAL® PU C TC data sheet

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Packaging and colours:

SILIKAL® PU Concrete Top Coat is delivered in 9.4 kg units consisting of:

- Resin (Comp. A): 2.4 kg
- Hardener (Comp. B): 2.5 kg
- Filler TopCoat (Comp. C): 4.0 kg
- Pigment (Comp. D): 0.5 kg

Colours: Grey, Green, Red, Ochre

Light fastness and weather resistance

SILIKAL® PU Concrete Top Coat tends to yellow when exposed to UV-light.

Shelf life

Use within 6 months of purchase. Store in unopened containers at temperatures between +10 °C – +25 °C.

Store in dry conditions.

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