SILIKAL® RE 58

EP special primer for oil-contaminated surfaces

SILIKAL® RE 58 is a colourless, 2-component epoxy resin-based system that is used as a primer for oil-contaminated surfaces after these have been treated with SILIKAL® RE 585.

Properties

- Excellent adhesion on oil-contaminated surfaces that have been suitably treated
- Oil-inhibiting effect

Areas of application

- Primer for moisture-resistant, mineral, oil-contaminated substrates under EP coating systems
- For interiors

Technical data

Mixing ratio	Component A (resin) = 8 parts by weight Component B (hardener) = 1 part by weight
Specific weight (mixture)	2.01 kg/l
Solid content	> 98 weight % (works standard)
Minimum hardening temperature	+10 °C (room and floor temperature) Note the dew point!
Optimum processing temperature	+15 to +25 °C
Pot life at +20 °C	60 min
Curing time at +20 °C	- Treatable/resistant to work/foot traffic – after 18 – 24 hours - Resistant to light mechanical stresses – after 2 – 3 days - Fully resistant to chemical and mechanical stresses – after 7 days
Consumption	approx. 0.7 – 1.2 kg/m²

High temperatures reduce and low temperatures lengthen all times given. The consistency, degree of filling and consumption will vary. Generally a temperature change of 10 °C will result in the times given halving or doubling.

Substrate

Cement-bonded substrates must be sound, dry and free of laitance, loose parts, oil, dust, grease and substances which could act as releasing agents.

Suitable measures must be taken to prepare the surface, e.g. by shot blasting and/or milling, so that the listed requirements are met.

The cohesive strength of the substrate must be at least 1.5 N/mm². The moisture content of the surface to be coated must not exceed 4.5 CM %. Moisture penetration through the rear must be permanently excluded.

The floor must be cleaned with SILIKAL® RE 585 before SILIKAL® RE 58 is applied.

Absorb liquid oil residues with the wet vacuum cleaner, remove coarse dirt by brushing, shot blasting or milling as required. Then spray the surface with SILIKAL® RE 585, consumption approx. 250 g/m². Thin with water if the substrates are very absorbent. Brush SILIKAL® RE 585 into the surface until the material begins to foam. Leave to stand for about 10 – 30 minutes, then brush the surface intensively, creating foam, before removing this with a wet vacuum cleaner.

In case of severe contamination, repeat the process. The SILIKAL® RE 585 can then be thinned up to 75 % with water.

Finally, rinse the surface off with clear water and remove the water with a wet vacuum cleaner. Effective de-oiling can be achieved by using a brushing machine and a powerful wet vacuum cleaner.

The cleaning liquids produced must be disposed of properly.

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Advice on application

Components A and B of SILIKAL® RE 58 are supplied in the correct ratio for mixing. The entirety of the hardener (comp. B) is added to the basic component (comp. A). Mixing is done by a machine (agitator at 300 - 400 rpm) and should last for at least 3 minutes until a homogeneous, non-streaky mixture is obtained. The mixed material must be poured into a clean pail and mixed again briefly.

Do not apply at temperatures below +10 °C and with relative humidity above 75 %.

To ensure good air exchange (dry air), provide ventilation and aeration during the drying and hardening phase. Between the individual operations it is absolutely essential that no moisture or contamination is allowed to penetrate.

Always heed the danger warnings and safety advice shown on the container and follow the regulations laid down by the relevant employers' liability insurance association. Refer to the safety data sheet for further information on the physical, toxicological and ecological properties of the product.

Building up the coating

1. Prepare the substrate.
2. After cleaning, prime the still matt moist surface with SILIKAL® RE 58.
3. Sand down lightly with quartz sand of grain size 0.7 – 1.2 mm, consumption approx. 1 kg/m^2.
4. Apply a top coat as required.

Delivery form

- 15 kg combination container
- 30 kg combination container

Shelf life

1 year if stored in the unopened original container in a cool (< +25 °C), dry and frost-free location.
Do not expose to direct sunlight!

Equipment cleaning

The tools must be washed thoroughly with a suitable solvent immediately after use.

Labelling

Giscode: RE 1

A component: Irritant, hazardous to the environment.

B component: Corrosive, hazardous to the environment.

EU Directive 2004/42/EC (VOC Paints Directive)

The maximum VOC content permitted in EU Directive 2004/42 (product category IIA/j type Lb) in the ready-to-use state is 500 g/l (limit 2010).
The maximum VOC content of SILIKAL® RE 58 in the ready-to-use state is < 500 g/l.

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