



SILIKAL® Porfil RE 40

Pore-filling, water pressure-tight and solvent-free two-component epoxy resin impregnation

Properties

- Extremely low-viscosity
- Water pressure-tight
- Good penetration capacity, pore-filling
- Resistant to rising moisture

Area of application

- Vapour barrier impregnation on damp or fresh concrete
- Pore-filling impregnation for cementitious substrates in case of rising moisture (up to 5 bar)

Mixing ratio

Temperature	Component A	Component B	Application time approx. min.	Hardening time approx. hour
+8 °C	100 parts by weight	28 parts by weight	40	>48
+20 °C			20	>24
+30 °C			10	>12

Advice on application

- SILIKAL® Porfil RE 40 consists of two liquid components (mixing ratio 10:2.8), which need to be mixed intensively for 1 – 2 minutes. Immediately after mixing, completely empty onto the floor.
- One application step is normally sufficient. A second application step, “wet in wet”, may be necessary depending on the absorbency of the substrate.
- Before work is commenced, a water drop test must be performed to check the absorbency of the floor (water must penetrate quickly – if the drop remains in place or seeps away slowly, SILIKAL® Porfil RE 40 cannot be used).
- A rubber slider is used for application. SILIKAL® Porfil RE 40 must not form a film. Excess resin must be fully removed with a painter’s roller after 10 – 15 minutes.
- After SILIKAL® Porfil RE 40 has fully cured and before reworking with a MMA coating system, the surface must be lightly grinded.
- SILIKAL® Porfil RE 40 is not a substitute for a primer resin. The following Silikal system must be applied, starting with the primer.
- After SILIKAL® Porfil RE 40 has been applied, the substrate must be evenly wetted, without film formation or puddling.

Guideline recipe

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® Porfil RE 40 A	78.1 %	1 packing unit, comp. A	7.81 kg
2	SILIKAL® Porfil RE 40 B	21.9 %	1 packing unit, comp. B	2.19 kg
	Total:	100 %	Average consumption: 150 g/m²	10 kg



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Characteristics as delivered

Property	Approx. value
Viscosity, component A, +20 °C	20 mPa · s
Viscosity, component B, +20 °C	50 mPa · s
Density, component A, +20 °C	1.09 g/cm ³
Density, component B, +20 °C	0.87 g/cm ³
Application temperature	+8 °C to +30 °C

CE marking

CE	
09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
Profil-RE40-001	
EN 13813:2002	
Synthetic resin screed for application in buildings	
Reaction to fire	E ₊
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ 1.5
Impact resistance	≥ IR 4



Other applicable documents

General notes	Technical documentation MMA
Safety data sheets	All used Silikal products

The information in this data sheet replaces all previous information about the product and its application. The application instructions as well as the technical data of the product are only guidelines. The buyer is responsible for the application and claims of third parties.

Silikal Product Information

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