



SILIKAL® R 53

Reactive primer for cementitious substrates, VOC-reduced

Properties

- Low viscosity
- Good penetration capacity
- VOC-reduced (according to AgBB scheme)

Area of application

- Primer resin for systems with low VOC emissions on cementitious substrates

Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
+10 °C	2.0	12	55
+15 °C	2.0	10	50
+20 °C	1.5	10	45
+30 °C	1.0	8	40

* The amount of SILIKAL® BPO is always calculated with reference to the amount of resin.

Advice on application

- SILIKAL® BPO must be stirred in until it is fully dissolved (approx. 1 minute) and the mixture must be used immediately.
- The mixture must be applied such that it forms a film. If the mixture penetrates in the substrate, it must be reworked wet in wet.
- Puddling must be avoided during application.
- Curing and adhesion tests must generally be performed.
- Always use primers as clear resin – they should never be filled or pigmented.

Guideline recipe

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® R 53	100 %		10 kg
	Total:	100 %	Average consumption: 400 g/m²	10 kg
2	SILIKAL® BPO	1 – 2 % with ref. to no. 1		See “Hardener dosages” table for quantities



Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	100 mPa · s
Density, +20 °C	0.98 g/cm ³
Application temperature	+10 °C to +30 °C

CE marking

CE		CE	
09		09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com		SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
R53-001		System-CL-001	
EN 13813:2002		EN 1504-2:2004 1119	
Synthetic resin screed for application in buildings		ZA.1d(1.3), ZA.1f(5.1) and ZA.1g(6.1)	
Reaction to fire	E ₊	Synthetic resin screed for application in buildings	
Release of corrosive substances	SR	Detailed declaration of performance: www.silikal.com	
Wear resistance	≤ AR1		
Bond strength	≥ 1,5		
Impact resistance	≥ IR 4		



Other applicable documents

SILIKAL® BPO	Data sheet BPO
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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