



SILIKAL® R 54

Reactive primer for slightly damp cementitious substrates

Properties

- Low viscosity
- Improved adhesion on slightly damp cementitious substrates
- Good penetration capacity

Area of application

- Primer resin for slightly damp cementitious substrates

Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
+5 °C	2.5	14	60
+10 °C	2.0	12	55
+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.

Hardener dosages

in connection with 0.3 weight % SILIKAL® Additive M* for slightly damp substrates

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
+5 °C	3.5	14	60
+10 °C	3.0	12	55
+20 °C	2.5	10	45
+30 °C	2.0	8	40

* The amount of SILIKAL® BPO and SILIKAL® Additive M 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.
- SILIKAL® Additive M further supports adhesion.
- 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 54	100 %		10 kg
	Total:	100 %	Average consumption: 400 g/m²	10 kg
2	SILIKAL® BPO	1 – 3.5 % with ref. to no. 1		See "Hardener dosages" table for quantities



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Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	100 mPa · s
Density, +20 °C	0.98 g/cm ³
Application temperature	+5 °C to +30 °C

CE marking

CE	
09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
R54-001	
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

SILIKAL® BPO	Data sheet BPO
General notes	Technical documentation MMA
SILIKAL® Additive M	Data sheet Additive M
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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