



# SILIKAL® RU 380

Reactive primer for absorbent and non-absorbent substrates

## Properties

- Medium viscosity
- Medium penetration capacity and good adhesion

## Area of application

- Universal primer resin for both cementitious substrates and non-absorbent substrates

## Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
-10 °C	4.5	35	80
0 °C	3.0	32	60
+10 °C	2.0	18	55
+20 °C	1.5	12	45
+30 °C	1.0	10	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\*

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
-10 °C	5.5	35	80
0 °C	4.0	32	60
+10 °C	3.0	18	55
+20 °C	2.5	12	45
+30 °C	2.0	10	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. 0.3% by weight SILIKAL® Additive M, calculated with reference to the amount of resin, can be added. This also requires the addition of SILIKAL® BPO to be increased by 1% by weight.
- Curing and adhesion tests must generally be performed.
- Always use primers as clear resin – they should never be filled or pigmented.

## Guideline recipe, primer

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® RU 380	100 %		10 kg
	<b>Total:</b>	<b>100 %</b>	<b>Average consumption: 400 g/m<sup>2</sup></b>	<b>10 kg</b>
2	SILIKAL® BPO	1 – 4.5 % with ref. to no. 1		See "Hardener dosages" table for quantities

### Silikal Product Information

Data sheet SILIKAL® RU 380  
Page 1 of 2

Issue MMA 7.02A – February 2023



### Silikal GmbH

Ostring 23 · 63533 Mainhausen · Germany  
Phone: +49 (0) 61 82 / 92 35-0  
mail@silikal.de · www.silikal.de



# SILIKAL® RU 380

Reactive primer for absorbent and non-absorbent substrates

## Guideline recipe, thin coat

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® RU 380	65 %		6.5 kg
2	SILIKAL® Filler QM	30 %		3.0 kg
3	SILIKAL® Pigment	5 %		0.5 kg
	<b>Total:</b>	<b>100 %</b>	<b>Average consumption: approx. 600 g/m<sup>2</sup></b>	<b>10 kg</b>
4	SILIKAL® BPO	1 – 4.5 % with ref. to no. 1		See "Hardener dosages" table for quantities

## Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	200 mPa · s
Density, +20 °C	0.99 g/cm <sup>3</sup>
Application temperature	-10 °C to +30 °C

## CE marking

CE	
09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
RU380-001	
EN 13813:2002	
Synthetic resin screed for application in buildings	
Reaction to fire	E <sub>n</sub>
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ 1.5
Impact resistance	≥ IR 4

CE	
09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
System-Küche-Alternativ-001	
EN 1504-2:2004 1119	
ZA.1d(1.3), ZA.1f(5.1) and ZA.1g(6.1)	
Synthetic resin screed for application in buildings	
Detailed declaration of performance: www.silikal.com	

Other applicable documents	
SILIKAL® BPO	Data sheet BPO
SILIKAL® Filler QM	Data sheet FQM
SILIKAL® Pigment	Data sheet PIG
SILIKAL® Additive M	Data sheet Additive M
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

Data sheet SILIKAL® RU 380  
Page 2 of 2  
Issue MMA 7.02A – February 2023



### Silikal GmbH

Ostring 23 · 63533 Mainhausen · Germany  
Phone: +49 (0) 61 82 / 92 35-0  
mail@silikal.de · www.silikal.de