

# SILIKAL® RU 320

Highly flexible reactive resin for membrane layers and waterproofing

## Properties

- High viscosity
- High elasticity
- Very good crack bridging, permanent expansion capacity
- Good self-levelling properties

## Area of application

- As membrane layer for crack bridging underneath of coatings
- As waterproofing layer under toppings (tiles, coatings)

## Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
0 °C	6.0	20	80
+10 °C	4.0	15	40
+20 °C	2.0	15	40
+30 °C	1.0	8	25

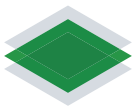
\* The amount of SILIKAL® BPO is always calculated with reference to the amount of resin.

## Advice on application

- First the fillers and pigments need to be stirred into the resin until a homogeneous state is achieved (no lumps) and only then SILIKAL® BPO should be added and mixed until it has dissolved completely (approx. 1 minute). The mixture should be used immediately.
- For waterproofing under tiles, the SILIKAL® RU 320 waterproofing layer must be spread in excess and after curing the loose grains of sand must be swept/vacuumed away before the tile adhesive is applied.

## Guideline recipe, pigmented membrane layer

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® RU 320	74 %		7.4 kg
2	SILIKAL® Filler QM	20 %		2.0 kg
3	SILIKAL® Pigment	5 %		500 g
4	SILIKAL® TA 2	1 %		100 g
	<b>Total:</b>	<b>100 %</b>	<b>Average consumption: 1.3 kg/m<sup>2</sup> per mm thickness</b>	<b>10 kg</b>
5	SILIKAL® BPO	1 – 6 % with ref. to no. 1		See “Hardener dosages” table for quantities



### Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	400 mPa · s
Density, +20 °C	0.99 g/cm <sup>3</sup>
Application temperature	0 °C to +30 °C

### CE marking

09	
SILIKAL GmbH	
Ostring 23 · 63533 Mainhausen	
www.silikal.com	
RU320-001	
EN 13813:2002	
Synthetic resin screed	
for application in buildings	
Reaction to fire	E <sub>1</sub>
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ 1,5
Impact resistance	≥ IR 4



#### Other applicable documents

SILIKAL® BPO	Data sheet BPO
SILIKAL® Filler QM	Data sheet FQM
SILIKAL® TA 2	Data sheet TA2
SILIKAL® Pigment	Data sheet PIG
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 320

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