

# SILIKAL® R 63

Reactive, slightly elasticised resin for self-levelling coatings  
VOC-reduced

## Properties

- Very good self-levelling properties
- Easy to process
- Medium viscosity
- Good wetting characteristics
- VOC-reduced (according to AgBB scheme)

## Area of application

- Main coat resin for self-levelling coatings in dry areas without slope for systems with low VOC emission
- Depending on mechanical, thermal or chemical load, the coating thickness can be varied from 2 to 4 mm

## Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
+10 °C	2.0	17	60
+20 °C	2.0	12	50
+25 °C	1.5	10	40
+30 °C	1.0	10	40

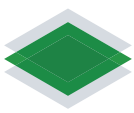
\* The amount of SILIKAL® BPO is always calculated with reference to the amount of resin.

## 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® should BPO be added and mixed until it has dissolved completely (approx. 1 minute). The mixture should be used immediately.
- For coatings with broadcast, e.g. with SILIKAL® Flakes, always broadcast until saturation, until there are no glossy areas remaining. Once the main coat has cured, sweep or vacuum away any loose grains of flakes.

## Guideline recipe, self-levelling coating 2 – 4 mm for indoor spaces

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 30 litre bucket
1	SILIKAL® R 63	33 %		13 kg
2	SILIKAL® Filler SV	65 %	1 sack	25 kg
3	SILIKAL® Pigment	2 %		1 kg
	<b>Total:</b>	<b>100 %</b>	<b>Average consumption: 1.7 kg/m<sup>2</sup> per mm thickness</b>	<b>39 kg</b>
4	SILIKAL® BPO	1 – 2 % with ref. to no. 1		See "Hardener dosages" table for quantities



# SILIKAL® R 63

Reactive, slightly elasticised resin for self-levelling coatings  
VOC-reduced

## Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	250 mPa · s
Density, +20 °C	0.98 g/cm <sup>3</sup>
Application temperature	+10 °C to +30 °C

## CE marking

<b>CE</b>	
09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
R63-001	
<b>EN 13813:2002</b>	
Synthetic resin screed for application in buildings	
Reaction to fire	E <sub>+</sub>
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ 1.5
Impact resistance	≥ IR 4

<b>CE</b>	
09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
System-CL-001	
<b>EN 1504-2:2004</b> 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 SV	Data sheet FSV
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® R 63  
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