

SILIKAL® R 61

Reactive, slightly elasticised resin for non-slip coatings in wet areas

Properties

- Medium viscosity
- Slightly elasticised
- Good self-levelling properties
- Good filler wetting

Area of application

- Main coat resin for broadcasted and trowelled coatings in wet areas
- Depending on mechanical, thermal or chemical load, the coating thickness can be varied from 3 to 6 mm

Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
0 °C	6.0	20	60
+10 °C	4.0	20	45
+20 °C	3.0	15	30
+30 °C	2.0	10	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 an homogeneous state is achieved (no lumps) and only then SILIKAL® BPO should be added and mixed until it has dissolved completely (approx. 1 minute), except for screeds for trowelable coatings – in this case SILIKAL® BPO should be stirred in before SILIKAL® Filler FM, and the mixture should be used immediately.
- The trowelable coloured quartz coating should be pre-spread to the desired coating thickness with a rake and then needs to be well compacted with a smoothing trowel.
- For broadcasted coatings, e.g. with SILIKAL® Filler FM, 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 sand.

Guideline recipe, self-levelling thin layer coating 3 mm

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 30 litre bucket
1	SILIKAL® R 61	33 %		12.5 kg
2	SILIKAL® Filler SL	65 %	1 sack	25 kg
3	SILIKAL® Pigment	2 %		1 kg
	Total:	100 %	Average consumption: 5 kg/m²	38.5 kg
4	SILIKAL® BPO	2 – 6 % with ref. to no. 1		See "Hardener dosages" table for quantities

Guideline recipe, non-slip, self-levelling thick layer coating 5 mm

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 30 litre bucket
1	SILIKAL® R 61	28 %		10 kg
2	SILIKAL® Filler SL	70 %	1 sack	25 kg
3	SILIKAL® Pigment	2 %		1 kg
	Total:	100 %	Average consumption: 9 kg/m²	36 kg
4	SILIKAL® BPO	2 – 6 % with ref. to no. 1		See "Hardener dosages" table for quantities

Silikal Product Information

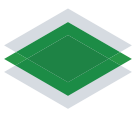
Data sheet SILIKAL® R 61
Page 1 of 2

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Guideline recipe, decorative coloured quartz screed 4 – 6 mm

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 30 litre bucket
1	SILIKAL® R 61	22 %		7 kg
2	SILIKAL® Filler FM	78 %	1 sack	25 kg
	Total:	100 %	Average consumption: 2 kg/m² per mm thickness	32 kg
3	SILIKAL® BPO	2 – 6 % 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 ³
Application temperature	0 °C to +30 °C

CE marking

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SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
R61-001	
EN 13813:2002	
Synthetic resin screed for application in buildings	
Reaction to fire	E _n
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ 1.5
Impact resistance	≥ IR 4

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SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
System-Küche-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 SL	Data sheet FSL
SILIKAL® Filler FM	Data sheet FFM
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.

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Data sheet SILIKAL® R 61
Page 2 of 2
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