



Protecting floors and buildings.

Silikal Technical Documentation
PMMA heavy-duty sealants





Silikal's production and administrative headquarters in Mainhausen, Frankfurt am Main

We protect buildings ... as we have been doing for more than 60 years!

It all started in Frankfurt am Main back in 1951. Having initially concentrated on screed construction, at the start of the 1960's we then began to develop new, modern synthetic resin-based products for the dynamically growing construction sector; primarily for floor coatings and engineering applications in trade and industry. We have continued on that path with countless research projects to date.

For the last few decades we have been active across the world, in Germany, Switzerland, Italy, Austria and almost all other countries in Europe. We are also active in North and South America, Asia, Africa and Australia.

As the markets developed, so did Silikal. With ever changing requirements demanding constant product developments, the product range grew from year to year. Today, our customers can choose from a large number of MMA, epoxy or PU products and specialities, whether coatings, sealants, mortars or PU concrete, tested to CE, TÜV and AgBB standards. On offer are resins for marking and orthopaedic applications, adhesives for filling cracks or testing tensile strength and resins for design floors or tactile guidance systems for the blind, to name just a few.

We pride ourselves on our advice, service, speed – and of course quality! Our response when customers need us is as fast as the curing times of our reactive resins. A whole team of specialists, technicians, applications engineers and developers are on standby for you, and our service really is "round the clock"! You can contact our hotline "live" 24 hours a day, even on Sundays and public holidays.

As we said, we protect buildings! We protect and keep things sealed - why not put us to the test?



Certified Quality and Ecology
Management Systems
Reg. No. 73 100 / 104 663



Certified according to
AgBB evaluation scheme



Our products are certified
by HACCP international



Our products comply
with the Halal european
guidelines



Technical Documentation



Silikal Australia

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Sealants in a building are indispensable ...

... and not only offer outstanding protection against the ingress or penetration of moisture, but are also suitable for many different functional requirements in a wide variety of uses. Benefits include

- high flexibility in the event of temperature fluctuations
- good adhesion to concrete, asphalt, bitumen sheeting, tiles, metal, PVC and many other materials
- outstanding UV and weather resistance
- resistance to the majority of aggressive media

Methyl methacrylic sealing resins from Silikal ...

... offer significant advantages over traditional seals such as foil or sheeting:

- full, jointless installation directly on the substrate: no seams or gluing points
- safe and simple integration of pipe lead-throughs, light shafts, outlets and other objects, whatever the shape and however many corners and edges these may have
- lightning-fast curing times, allowing the surfaces to be returned to use quickly, even at low temperatures
- also available in decorative colours and with different slip resistances, e.g. for the balcony or covered walkway

This technical documentation ...

... describes the sealing systems recommended by Silikal for the most important areas of application. It also contains the technical specifications of Silikal sealing resins and additives as well as general advice on application and instructions. Silikal reserves the right to make technical modifications.

Silikal **guarantees** all the figures listed in the technical data sheets, but tolerances may of course occur for processing and application reasons and such deviations are permitted. The processing of Silikal materials should always properly be left to trained and experienced experts. Silikal attaches considerable importance to the training and technical support of its specialist layers and on providing comprehensive advice on use, including on site. The standard recipes recommended in the systems offer the greatest possible guarantee for optimal work, but this does not release the layers in each particular case from their duty to examine and assess the individual circumstances carefully. In case of doubt, tests should be carried out before execution, or Silikal consulted for advice. Because of their many years of experience, Silikal's specialist layers boast sufficient knowledge and expertise, including beyond the application limits described here.

You must always remember that there are risks in such cases. Silikal does not offer any application-specific guarantee whatsoever, that is not expressly agreed in writing in the individual case. This relates (for example) to circumstances extending above and beyond the usual normal and general use or information in brochures and other literature which is of a purely descriptive nature. It also goes without saying that the establishment of a proper surface meeting statutory requirements (e.g. with regard to slip resistance on balconies) does not mean that accidents can necessarily be prevented on this surface, or that any corresponding guarantee is offered in that regard. In principle, liquids, cleaners and the like must always be handled with care on the finished surface. If in doubt consult Silikal for advice. The same applies for the use of materials which were not approved by Silikal.

It must be remembered that a seal (in addition to its other properties) serves first and foremost to protect the component or surface and as a wearing layer. Wear, particularly in the case of slip-resistant surfaces, is subjective and depends on the intensity of use, so it is often not possible to give an absolute prediction of service life. Assuming that proper treatment and due care is given, seals made from reactive resins (in many cases) represent the best and most cost-effective solution for years. Silikal wishes to point out that all currently applicable standards and regulations also have to be observed in principle. For example, safety and environmental regulations, DIN, ISO and EU standards and the notice sheets and guidelines issued by the BEB (German Association for Screeds and Flooring Systems), third-party property rights and the generally recognised rules of the art.

Updates

This technical documentation can also be found on Silikal's website at "www.silikal.de" which is subject to continuous updating.

PMMA heavy-duty sealants

Areas of application



Pictures at top:
balcony and roof sealing



Flat roof sealing of a
double garage

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PMMA heavy-duty sealants

Areas of application



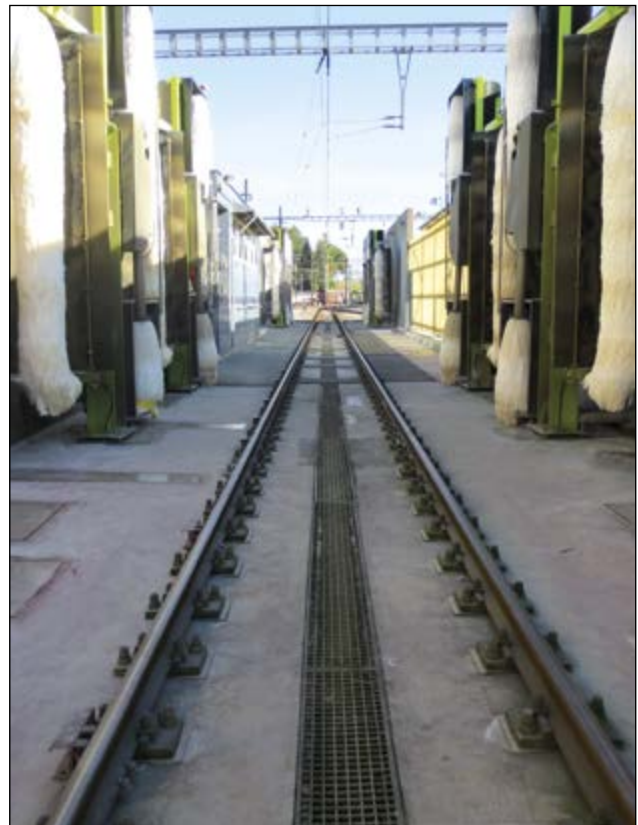
Surface seal in underground area



Sealing of concrete construction joints



Sealing of construction joints



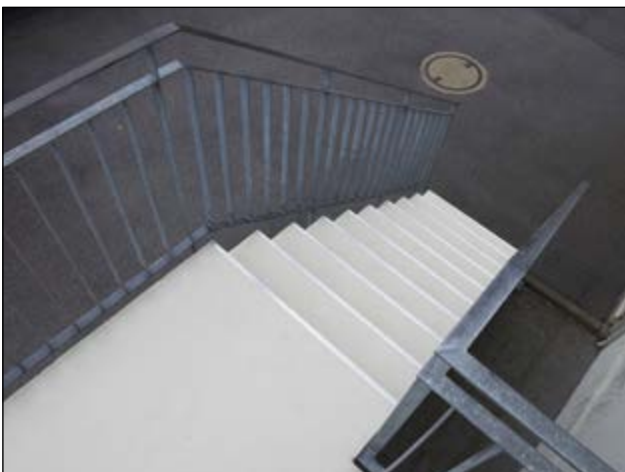
Sealing of washing bay

PMMA heavy-duty sealants

Areas of application



All pictures on this page:
terrace/stair/
balcony sealing
and coating



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PMMA heavy-duty sealants

Areas of application



All pictures on this page:
sealing of threshold
connections and
material transitions



PMMA heavy-duty sealants

Areas of application



Movement joint/dilatation joint



Surface seals



Component connection/surface seal



Pipe lead-throughs



Pipe lead-through and joint seal

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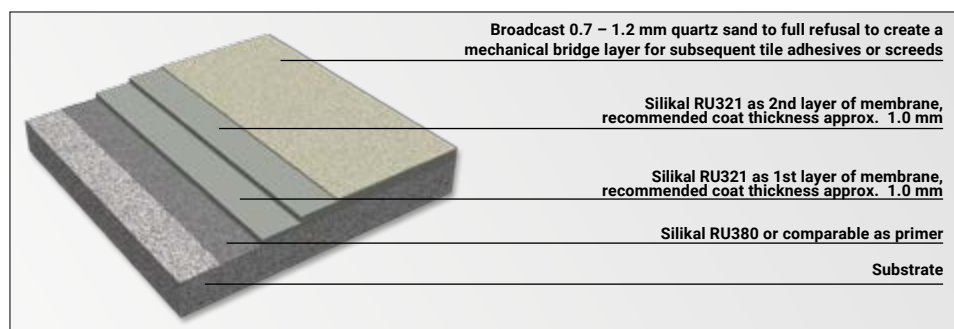
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PMMA heavy-duty sealants

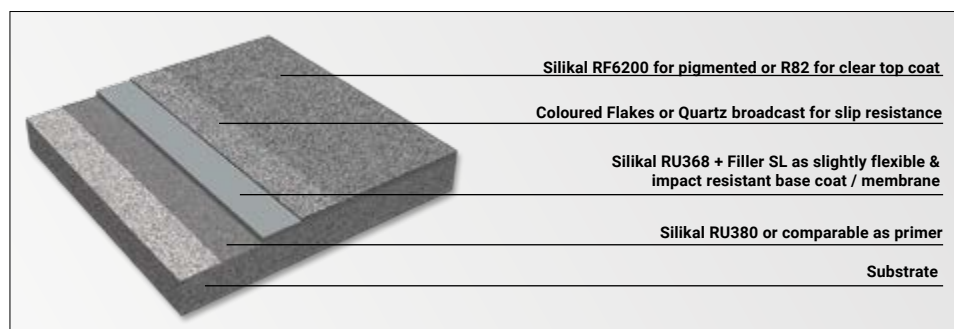
System structures



Non-trafficable system (for areas with restricted access, accessible only by building maintenance staff or authorised personnel)



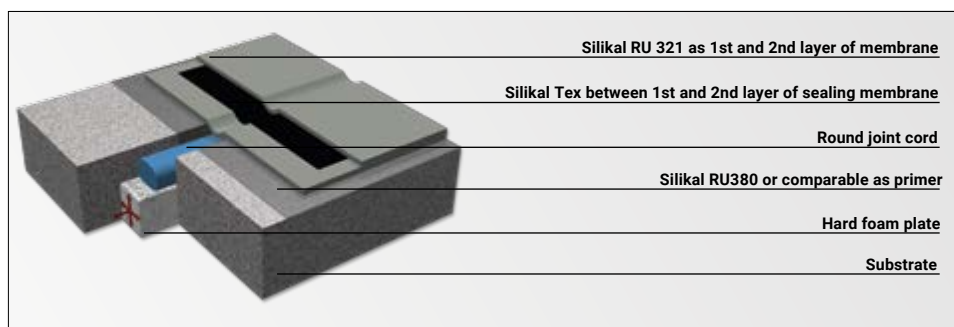
Waterproofing under tiles and screed



Slightly elastic waterproofing system for terraces and balconies with foot traffic



Trafficable system designed for outdoor areas exposed to weather and structural movement – e.g. car park top decks, industrial truck wash bays



Movement/dilatation joint

Technical Documentation



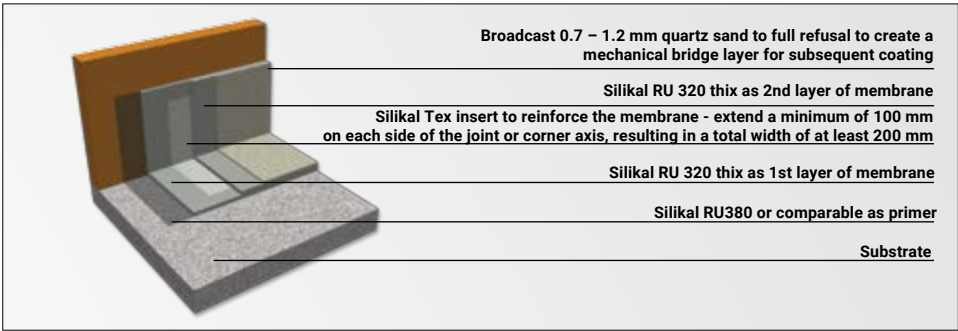
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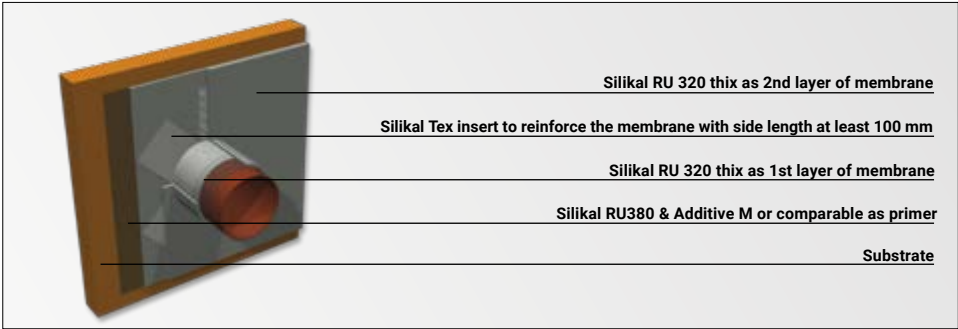
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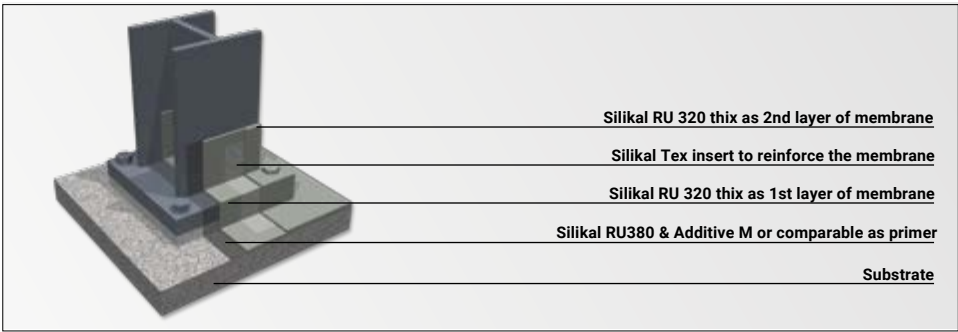
Details



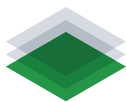
Upstand and splay/
material change



Pipe lead-through



Steel support joint



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

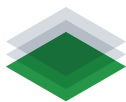
* The amount of SILIKAL® BPO and SILIKAL® Additive M is always calculated with reference to the amount of resin.

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
	Total:	100 %	Average consumption: 400 g/m²	10 kg
2	SILIKAL® BPO	1 – 4.5 % with ref. to no. 1		See “Hardener dosages” table for quantities



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
	Total:	100 %	Average consumption: approx. 600 g/m²	10 kg
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/cm³
Application temperature	-10 °C to +30 °C

CE marking

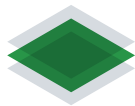
CE	CE
09	09
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com
RU380-001	System-Küche-Alternativ-001
EN 13813:2002	EN 1504-2:2004 1119
Synthetic resin screed for application in buildings	ZA.1d(1.3), ZA.1f(5.1) and ZA.1g(6.1)
Reaction to fire	Synthetic resin screed for application in buildings
Release of corrosive substances	
Wear resistance	Detailed declaration of performance: www.silikal.com
Bond strength	
Impact resistance	



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® RU 321 Pigmented

Highly flexible, pigmented reactive resin for membrane layers and waterproofing

Properties

- High viscosity
- High elasticity
- Very good crack bridging, permanent expansion capacity
- Good self-levelling properties
- Pre-filled and pigmented ready to use
- Extended application temperature

Area of application

- As membrane layer for crack bridging underneath of coatings
- As waterproofing layer under toppings

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	60
+20 °C	2.0	15	60
+30 °C	1.0	8	40
+35 °C	1.0	7	35

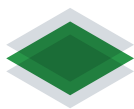
* The amount of SILIKAL® BPO is always calculated with reference to the amount of resin.

Advice on application

- First stir well. Only after this SILIKAL® BPO should be added and mixed until it has dissolved completely (approx. 1 minute), and the mixture should be used immediately.

Guideline recipe

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® RU 321 Pigmented	100 %		10 kg
	Total:	100 %	Average consumption: 1.6 kg/m² per mm thickness	10 kg
2	SILIKAL® BPO	1 – 6 % with ref. to no. 1		See “Hardener dosages” table for quantities



SILIKAL® RU 321 Pigmented

Highly flexible, pigmented reactive resin for membrane layers and waterproofing

Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	4,000 mPa · s
Density, +20 °C	1.65 g/cm ³
Application temperature	0 °C to +35 °C

CE marking

CE	
09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
RU321-pigmented-001 EN 13813:2002	
Synthetic resin screed for application in buildings	
Reaction to fire	E ₁
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
Safety data sheets	All used Silikal products

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Silikal product information

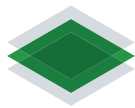
Data sheet SILIKAL® RU 321 P
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March 2025



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SILIKAL® RU 320 Thix

Highly flexible, thixotropic, pigmented reactive resin for membrane layers and waterproofing

Properties

- High viscosity
- High elasticity
- Very good crack-bridging, permanent expansion capacity
- Good stability when used on vertical surfaces
- Pre-filled, pigmented and thixotropic ready to use

Area of application

- As stable membrane layer for crack bridging underneath coatings
- As stable waterproofing layer under toppings (tiles, coatings, with national technical test certificate (abP))

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	60
+20 °C	2.0	15	60
+30 °C	1.0	8	40

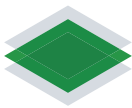
* The amount of SILIKAL® BPO is always calculated with reference to the amount of resin.

Advice on application

- First stir well. Only after this SILIKAL® BPO should be added and mixed until it has dissolved completely (approx. 1 minute), and the mixture should be used immediately.

Guideline recipe, pigmented membrane layer

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® RU 320 Thix	100 %		10 kg
	Total:	100 %	Average consumption: 1.1 kg/m² per mm thickness	10 kg
2	SILIKAL® BPO	1 – 6 % with ref. to no. 1		See “Hardener dosages” table for quantities



SILIKAL® RU 320 Thix

Highly flexible, thixotropic, pigmented reactive resin for membrane layers and waterproofing

Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	Pasty
Density, +20 °C	1.13 g/cm ³
Application temperature	0 °C to +30 °C

CE marking

09	
SILIKAL GmbH	
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www.silikal.com	
RU320-Thix-001	
EN 13813:2002	
Synthetic resin screed for application in buildings	
Reaction to fire	E ₁
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
Safety data sheets	All used Silikal products

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Silikal Product Information

Data sheet SILIKAL® RU 320 T
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Issue MMA 7.02A – February 2023



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Properties

- High strength
- High elongation capacity

Area of application

- Reinforcing fleece for coatings or waterproofings with Silikal MMA products

Characteristics as delivered

Property	Approx. value
Weight	110 g/m ²
Tear strength lengthwise / crosswise	143 N / 346 N
Elongation lengthwise / crosswise	85% / 71%

Advice on application

To avoid detachment, bubbles or curing problems with the MMA material, it is particularly important that the fleece is used in a wet-on-wet application. The aim of the wet-on-wet method is to completely saturate the fleece with material. This can be ensured if the membrane resin is first applied in sufficient quantity. The resin is applied evenly with a roller on a surface at least 5 cm wider than the roller width used. Immediately afterwards, the fleece is rolled into the fresh (uncured) material without bubbles and completely saturated with the remaining amount of membrane resin. After complete curing (1 – 2 hours), further coating measures can be carried out.

Delivery form

- 1000 mm x 100 m roll
- 500 mm x 100 m roll
- 200 mm x 100 m roll
- other sizes on request

Shelf life

Store in a dry, UV-protected and clean place! The storage stability is at least 2 years

In addition, the respective product data sheets of the Silikal resins used must be observed!



Other applicable documents

General notes	Technical documentation MMA
Safety data sheets	All used Silikal products

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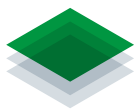
Silikal product information

Data sheet SILIKAL® TEX
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April 2025



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SILIKAL® RU 368

Reactive, impact-resistant resin, flexible at low temperatures,
for self-levelling coatings

Properties

- Reactive
- Medium viscosity
- Good self-levelling properties
- Good crack bridging
- Good flexibility at low temperatures
- Elasticised/permanently elastic

Area of application

- Main coat resin for flexible, self-levelling coatings outdoors and for cold-storage rooms
- The layer thickness can vary from 2 – 7 mm depending on the mechanical, thermal or chemical load
- As a flexible scratch coat to level out surface roughness after applying the primer

Hardener dosages

Temperature	SILIKAL® BPO % pbw. *	Pot life approx. min.	Hardening time approx. min.
0 °C	6.0	30	65
+10 °C	4.0	20	50
+20 °C	2.0	17	40
+30 °C	1.5	12	25

* The quantity of SILIKAL® BPO is always related to the quantity 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. 2 minutes). The mixture should be used immediately.
- For broadcasted toppings, e.g. with SILIKAL® Filler FM, always broadcast surplus covering, until there are no glossy parts remaining. Once the main coat has cured, sweep or vacuum away any loose grains of sand.

Guideline recipe, scratch coat

Item	Component	Guide formulation (% by weight)	Note	Batch for 30 litre bucket
1	SILIKAL® RU 368	30%		11 kg
2	SILIKAL® Filler SL	70%	1 bag	25 kg
	Total:	100%	Average consumption: 1.6 kg/m² per mm thickness	36 kg
3	SILIKAL® BPO	1.5 – 6% related to item 1		See "Hardener dosages" table for quantities

Guideline recipe, self-levelling main layer 2 – 7 mm

Item	Component	Guide formulation (% by weight)	Note	Batch for 30 litre bucket
1	SILIKAL® RU 368	30%		11 kg
2	SILIKAL® Filler SL	70%	1 bag	25 kg
	Total:	100%	Average consumption: 1.6 kg/m² per mm thickness	36 kg
3	SILIKAL® BPO	1.5 – 6% related to item 1		See "Hardener dosages" table for quantities

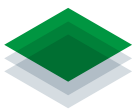
Silikal product information

SILIKAL® RU 368 data sheet
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April 2023



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SILIKAL® RU 368

Reactive, impact-resistant resin, flexible at low temperatures,
for self-levelling coatings

Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	550 mPa · s
Density, +20 °C	0.98 g/cm ³
Processing temperature	0 °C to +30 °C

CE marking

09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
SILIKAL® RU 368 EN 13813:2002	
Synthetic resin screed for application in buildings	
Reaction to fire	E ₁
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 SL	Data sheet FSL
General notes	Technical documentation MMA
Safety data sheets	All used Silikal products

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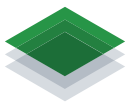
Silikal product information

SILIKAL® RU 368 data sheet
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April 2023



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SILIKAL® RF 6200 Base

Reactive, pre-filled, slightly elasticised base coat and top coat.

Properties

- Medium viscosity
- Very good self-levelling properties
- Pre-filled and pigmented ready to use or just pre-filled
- Slightly flexible when cured

Area of application

- Coloured top coat for broadcasted main coats indoors and outdoors
- Rollable base coat for a thin coat application

Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
0 °C	6.0	20	50
+10 °C	4.0	20	45
+20 °C	2.0	15	40
+30 °C	1.0	12	30

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

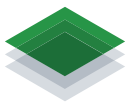
Advice on application

- For SILIKAL® RF 6200 Base, SILIKAL® pigment must first 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). The mixture should be used immediately.
- It is possible to roll on at least 600 g/m² for the first coat later optionally after the first layer has cured a second coat can be rolled on with at least 500 g/m².

Guideline recipe, rollable base coat or top coat with SILIKAL® RF 6200 Base

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® RF 6200 Base	90 – 95 %		10.8 – 11.4 kg
2	SILIKAL® Pigment*	5 – 10 %		0.6 – 1.2 kg
	Total:	100 %	Average consumption: 0.6 – 1.1 kg/m²	11.4 – 12.6 kg
3	SILIKAL® BPO	1 – 6 % with ref. to no. 1		See "Hardener dosages" table for quantities

* The pigment preparation (colour paste / pigment powder) must be suitable for dyeing MMA resins. Appropriate preliminary tests must be carried out to check the suitability. A compatibility table for standard pigments is given in the MMA technical documentation.



SILIKAL® RF 6200 Base

Reactive, pre-filled, slightly elasticised base coat and top coat.

Characteristics as delivered

Property	Approx. value
Viscosity, +20 °C	500 mPa · s
Density, +20 °C	1.20 g/cm ³
Application temperature	0 °C to +30 °C

CE marking

09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
RF6200-001	
EN 13813:2002	
Synthetic resin screed for application in buildings	
Reaction to fire	EN
Release of corrosive substances	SR
Wear resistance	R
Bond strength	
Impact resistance	R

09	
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	
System-OS8-MMA-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® Pigment	Data sheet PIG
Compatibility table, pigments	Technical documentation MMA
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.

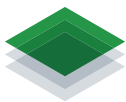
Silikal Product information

Data sheet SILIKAL® RF 6200 Base
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Silikal Australia

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Properties

- Low viscosity
- Slightly flexible when cured
- Low yellowing
- Very good resistance to white discolouration caused by warm water

Area of application

- Colourless top coat for decorative coloured flake/coloured quartz main coats, also outdoors
- Top coats for main coats in wet rooms

Hardener dosages

Temperature	SILIKAL® BPO % by weight *	Pot life approx. min.	Hardening time approx. min.
+5 °C	3.0	20	45
+10 °C	3.0	18	40
+20 °C	2.0	12	30
+30 °C	1.0	8	20

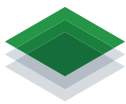
* The amount of SILIKAL® BPO is always calculated with reference to the amount of resin.

Advice on application

- Stir in SILIKAL® BPO until it is fully dissolved (approx. 1 minute) and then use the mixture immediately.
- Always roll on at least 400 g/m² for the first top coat layer. Optionally, after the first coating has cured, a second top coat can be rolled on with no more than 300 g/m².
- Roll on crosswise with a suitable roller.

Guideline recipe, colourless top coat

No.	Component	Guideline recipe (% by weight)	Comment	Batch for 10 litre bucket
1	SILIKAL® R 82	100 %		10 kg
	Total:	100 %	Average consumption: 400 – 500 g/m²	10 kg
2	SILIKAL® BPO	1 – 3 % 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	0.98 g/cm ³
Application temperature	+5 °C to +30 °C

CE marking

	
09	09
SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com	SILIKAL GmbH Ostring 23 · 63533 Mainhausen www.silikal.com
R82-001	System-Küche-Alternativ-001
EN 13813:2002	EN 1504-2:2004 1119
Synthetic resin screed for application in buildings	ZA.1d(1.3), ZA.1f(5.1) and ZA.1g(6.1)
Reaction to fire	Synthetic resin screed for application in buildings
Release of corrosive substances	E _{fl}
Wear resistance	SR
Bond strength	≤ AR1
Impact resistance	≥ 1.5
	≥ IR 4
	Detailed declaration of performance: www.silikal.com



Other applicable documents

SILIKAL® BPO	Data sheet BPO
General notes	Technical documentation MMA
Safety data sheets	All used Silikal products

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Silikal Product Information

Data sheet SILIKAL® R 82
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Issue MMA 7.01A – August 2022



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Advice on application

for connection work with PMMA liquid plastic
and fabric reinforcement



Provide tools and aids.



All substrates to be coated are to be cleaned and prepared according to the specifications in the technical bulletins.



The substrates must generally be clean, firm, dry, level and slightly roughened (see also Substrates table).



The edges of the surfaces to be coated are to be cleanly delimited with adhesive tape that can be removed again.



The fabric reinforcements are to be prepared at the correct lengths in advance.



The edges of the fabric reinforcements are to have a processing gap of approx. 2 cm on each side.



The fabric reinforcement must be cut into where necessary. Make sure, however, that cut-in parts are reworked with an additional piece.



Apply the primer with a roller according to the specification in the corresponding technical bulletins.

Technical Documentation

Silikal

Advice on application

for connection work with PMMA liquid plastic
and fabric reinforcement



Application of the 1st coat of SILIKAL® RU 320 thix resin, coat thickness approx. 1 mm.



Apply enough material so that the fabric subsequently inserted is optimally embedded.



The fabric must be fully worked into the 1st coat of SILIKAL® RU 320 thix resin. Air pockets must be avoided.



Application of the 2nd coat of SILIKAL® RU 320 thix resin, coat thickness approx. 1 mm.



Cut-in double-layer fabric is to be carefully incorporated with a sufficient quantity of SILIKAL® RU 320 thix resin.



The surface of the freshly applied membrane of SILIKAL® RU 320 thix resin can be evenly structured using a brush.



Completely applied connection with SILIKAL® RU 320 thix resin and fabric reinforcement.



Quartz sand can optionally be scattered onto the freshly applied surface as a bond for additional work.

Silikal

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Data sheet SILIKAL® VFLK

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Technical Documentation



Protecting floors and buildings.

Silikal

Reactive resins and polymer
concrete for industrial floors and
civil engineering projects

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