



Expect more from your floor.

Reactive resins for industrial floorings Silikal epoxy systems



Epoxy resin know-how – now obtainable from Silikal!

For decades Silikal has developed and produced coating materials on the basis of the rapid curing PMMA. In addition to these proven Silikal products we are now able to provide you with epoxy and polyurethane resin-based products with the well-known Silikal quality. Environmental and user friendly coating systems for a broad spectrum of applications.

This provides you with floors of varied properties not only in renovation but also in new buildings.

Functionality provided through high resistibility against chemical and mechanical influences as well as decorative demands.



Shot-blasting for surface preparation



Application of a coloured sealing



Application of thick coating.

Need advice?

We'll be glad to let you challenge us!

Every project has its own demands and requirements, from substrate testing to suitable preparation to completed coating. Our staff has all the required practical experience. They are familiar with the problems on-site and have world-wide experience as application technicians. Therefore: Talk to us. We will be glad to help you in matters concerning possible application of our systems.

Whether it's a new building, restoration or restructuring

Our coating resins have proven themselves as highly stressable floor coatings in the industry, trade and craft. They are applied on industrial floors, in production and warehouse halls and other commercially used surfaces as well as on traffic surfaces and public facilities.

Silikal reactive resins are applied to the most stressed areas of an industrial building and have to fulfil the most varied tasks.

As impregnation, primer, coloured or transparent sealing as well as hard wearing self levelling coating, they meet almost every requirement.

Silikal reactive resin systems are also applied as reliable problem solvers for the repair of ruptures, cracks and holes in the most varied substrates. From the easily applied, water-borne epoxy sealer for areas for light traffic up to hard elastic thick polyurethane coatings for mastic asphalt or metal surfaces.

Silikal Epoxy Resin Systems

Product	Description	Ranges of application	Cons. kg/m ²	Unites and colour-shades
Primer				
SILIKAL® RE 55 EP Primer and Mortar Resin	solventfree, transparent two-component- epoxy-resin system, with excellent penetration capacity	primer filling compound self levelling mortar repair mortar	0.30 – 0.60	1 kg 30 kg 5 kg 200 kg 10 kg transparent
SILIKAL® RE 56 EP Special Primer for moist substrates	solventfree, transparent two-component- epoxy-resin system, with excellent penetration capacity	primer filling compound self levelling mortar repair mortar	0.30 – 0.60	10 kg 30 kg transparent
SILIKAL® RE 57 EP Primer and Mortar Resin rapid curing	solventfree, transparent two-component- epoxy-resin system, with excellent penetration capacity	primer filling compound self levelling mortar repair mortar	0.30 – 0.60	10 kg 30 kg transparent
SILIKAL® RE 58 EP Special Primer for oil-contaminated floors	transparent two-component- epoxy-resin	remediation of oil-contaminated floors	0.7 – 1.20	10 kg 30 kg transparent
Colourless Sealing				
SILIKAL® RE 25 W EP Floor-Sealing water-borne	water-borne, transparent, water vapour permeable, two-component- epoxy-resin impregnation/sealing	transparent sealing for cement bound substrates, as well as for magnesite and anhydrite screed	0.15 - 0.20	12 kg 30 kg transparent
SILIKAL® RE 26 W EP Sealing – matt water-borne	water-borne, transparent, matt, water vapour permeable, two-component- epoxy-resin sealing	matt sealing of glossy or decorative floor coatings	0.12 - 0.18	10 kg 25 kg transparent
SILIKAL® RE 77 EP Top Coat	solventfree, transparent two-component- epoxy-resin system, with good UV-resistance	top coating of decorative floor coatings	0.60 - 0.80	10 kg transparent
SILIKAL® RU 301 PUR Matt-Finish solvent-borne	solvent-borne, transparent two-component-polyurethane-resin sealing	transparent, matt top sealing	ca. 0.15	10 kg transparent
SILIKAL® RU 302 PUR Gloss-Finish solvent-borne	solvent-borne, transparent two-component-polyurethane-resin sealing	transparent, semi-gloss top sealing	ca. 0.15	10 kg transparent
Coloured Sealing				
SILIKAL® RE 27 W EP Floor Sealing - matt - water-borne	water-borne, pigmented, water vapour permeable, two-component- epoxy-resin sealing	pigmented sealing for cement bound substrates, as well as for magnesite and anhydrite screed	0.20 - 0.30	10 kg 25 kg Standard colour-shades
SILIKAL® RE 28 W EP Floor Sealing - satin gloss - water-borne	water-borne, pigmented, water vapour permeable, two-component-epoxy-resin sealing	pigmented sealing for cement bound substrates, as well as for magnesite and anhydrite screed	0.20 - 0.30	10 kg 25 kg Standard colour-shades
SILIKAL® RE 516 EP Floor Sealing	solventfree pigmented two-component-epoxy-resin sealing	glossy, smooth sealing or top sealing of sanded surfaces	ca. 0.2 0.6 – 0.8	10 kg 30 kg Standard colour-shades
Self Levelling Coatings				
SILIKAL® RE 29 W EP Self Levelling Coating water vapour permeable	water-borne, pigmented, water vapour permeable, two-component-epoxy-resin coating system for thicker layers	water vapour permeable coating system for 2-5 mm layer thickness.		R&D
SILIKAL® RE 514 EP Self Levelling Coating conductive	solventfree, pigmented, conductive, two-component- epoxy-resin coating system about 2 mm	conductive floor coating system	1.90-2.30	30 kg Standard colour-shades
SILIKAL® RE 515 EP Self Levelling Coating	solventfree, pigmented, two-component- epoxy-resin coating system for thicker layers	floor coating system, 2-3 mm	1.20/mm	10 kg 30 kg Standard colour-shades
SILIKAL® RU 300 PUR Floor Coating	solventfree, pigmented, two-component- polyurethane-resin coating system	floor coating system for thin and thick layers	1.45/mm	12 kg 30 kg Standard colour-shades
Specialities				
SILIKAL® RE 584 EP Thinner	solvent mixture	cleaning tools		10 kg
SILIKAL® RE 585 Industrial Cleaner	special mixture of different detergents	cleaning of oil contaminated floors		10 kg
SILIKAL® RE 513 EP Conductive Coat	solventfree, conductive two-component- epoxy-resin	conductive layer	0.12-0.15	black



We see to the best solution.

The best solutions require know-how and experience. We can provide it.

When we go out on site to analyse a problem, we know what we're doing. Practical help, friendly and, of course, reliable.

Contact us. We would be pleased to go into detail with you – at no cost or obligation to you, of course.

Your call – Silikal! An overview of the advantages.

Hygienic and clean ...

- Monolithic, seamless surface
- Resistant to alkalis, acids, greases, oils, salts and other aggressive media (see technical data sheet for details)
- Easy to take care of

Safe ...

- Anti-skid surface grades
- Wear and tear resistant
- Can withstand hot and cold

Functional and attractive ...

- Short curing times; Only short periods of interrupted production during reconstruction!
- User-friendly processing
- Selection of appealing colours, e. g. with coloured quartz sand or flakes mixtures as standard
- Electrical conductivity for application in ESD-areas



Silikal production and administration in Mainhausen, near Frankfurt/Main, Germany.



Certified Quality Management System
Cert. Reg. No. 73 100 663



Certified Ecology Management System
Cert. Reg. No. 73 104 856



Ask about our Colour Concept!



Expect more from your floor.

Silikal GmbH

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

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