

Child's play for pros!

Repairs to concrete
in record time.

Being this fast is no magic!

Silikal R 17, the "magical" reactive resin mortar
for repairs, renovations and other civil engineering applications.

Ready in a flash, as easy as child's play to apply and it cures in no time at all!



Expect more from your floor.



Cures in just one hour! ✓

Stronger than concrete! ✓

Can be applied even in cold conditions! ✓

Silikal R 17 reactive resin mortar for repair

Goes down like magic and



Ready in a flash, as easy as child's play to apply and it cures in no time at all. The best way to prevent downtimes!

You don't have to be a wizard to do a little magic of your own!

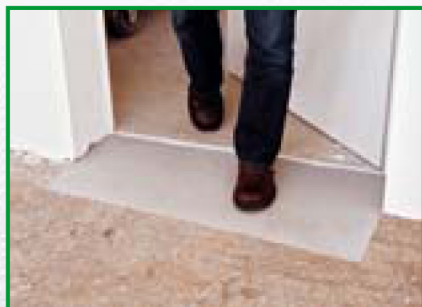
Fix a floor as fast as lightning, without any bothersome downtimes ... make a broken edge "disappear" ... make a firm pedestal for machinery with a little hocus-pocus of your own ... wouldn't it be nice if it was just that simply?

Well, now it is, with R 17—the repair mortar on a reactive resin base from Silikal!

Whenever it has to be a quick but permanent and highly durable mortar bond or seal, whenever downtimes have to be kept to a minimum or work done at low temperatures, then it's time for Silikal R 17.

Silikal R 17 needs only an hour after application to cure, and that under any conditions. It can even be exposed to full loads after that time with a compressive strength of app. 75 N/mm².

And because it's so fast, it almost seems like magic!



Holes in your floor? Edging broken? Defects in concrete?

R 17: is ideal for repairs, renovations and new construction!

- Floor repairs without downtimes
- Repairing stairs, kerbs and ramps
- Filling potholes
- Levelling out bumpy concrete surfaces
- Improving joints and broken edges
- Wear-resistant pouring material or levelling material for making stairs
- Rapid repairs on runways
- Renovating chimney tops
- Repairing concrete and cement on acid-resistant floors

- Heavy-duty, wear-resistant industrial screed
- Acid-resistant and liquid-proof tile mortar
- Constructing vibration-resistant pedestals and machinery bases
- Anchoring machinery and steel structures
- Anchoring heavy-weight profiles and components
- Sub-bases for rail lines and guide rails
- Sub-bases and casting compound for bridge abutments
- Construction of traffic islands, structuring kerb stones
- Casting and bedding drainage channels, metal and plastic piping
- Adjusting ramps and slopes at doors and near buildings
- Frost-proof replacement for concrete in entrances to refrigerated buildings



Repairs, renovations and new construction

cures as fast as lightning



Just a pinch of elf hair and moonbeam herb ...

Better: Silikal R 17! Four variations for every eventuality!

To make sure Silikal R 17 repair mortar can be used in daily construction work simply and without the even slightest magic, Silikal has created its R 17 in four different grades:

R 17—for surfacing, floor repairs and repairs more than 5 mm thick.

R 17 fein—for screeds, levelling work and repairs 2 to 6 mm thick.

R 17 thix—for profiling and re-profiling work, anchoring structural components and for application to sloped surfaces.

R 17 (-25°C)—for work at low temperatures, in refrigerated areas, under permafrost, etc.

Packaging:

Mortar Powder: 15 kg bag

Liquid hardener: 2, 6 and 30 litre canister and 180 kg barrel

10 kg complete kits: “Silifix RX 17” and “Silifix RX 17 thix”

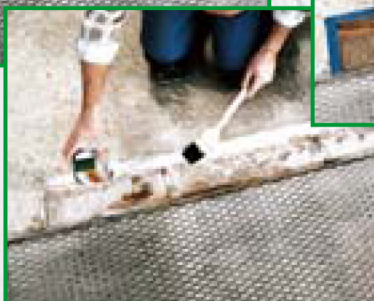
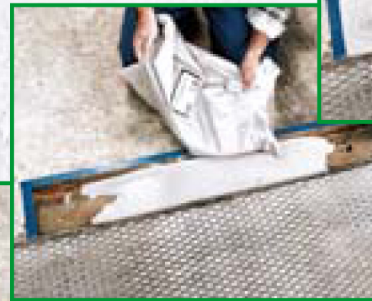
Holes disappear like magic, it's easy with R 17!

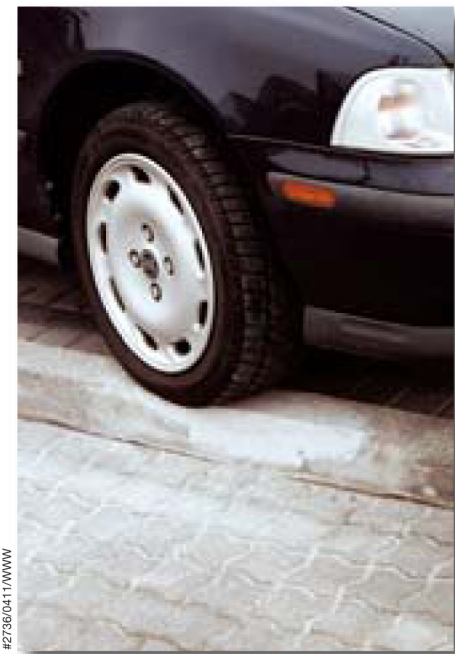
After just one hour, Silikal R 17 is cured and can bear full loads. Repairs, a whole new floor or just a ramp or approach way can therefore be built easily, i. e. literally overnight, without costly downtimes.

Silikal systems have no problems with extreme climate conditions or cold spaces. Even as low as $-10\text{ }^{\circ}\text{C}$, Silikal reactive resin mortars cure quickly, in special grades even as low as $-25\text{ }^{\circ}\text{C}$. Winter work sites are nothing new for Silikal reactive resins.

Silikal R 17 is delivered as a dry finished mixture together with a liquid hardener component. Mix both intensively in the mixing bag, with a coil mixer or, for larger work, in a free-fall mixer.

And this is how to do it in no time: clean and prime the area you want to apply it to. Apply Silikal R 17, smooth or profile it, let it cure. That's all!





The magic touch: All the best features at one glance.

Quick ...

- Extremely quick-curing and achieves full compressive strength (app. 75 N/mm²) within just one hour
- Cures even at extremely low temperatures down to -10°C (in special grades down to -25°C)

Easy ...

- Extremely thin-liquid grade available for excellent flow onto the surface and into the smallest cavities
- Practically no shrinkage when it cures
- Similar temperature behaviour to concrete
- Properties stay the same, regardless of how thick it is spread

Durable ...

- Highly wear-resistant
- Liquid-proof
- Resistant to weathering
- Greater resistance to hot water
- Greater chemical resistance
- Electrically non-conductive



Silifix RX 17 and Silifix RX 17 thix— the magically compact repair kits

Small repairs and large jobs are even faster and more magically simple when they are done with Silifix Mortar Kits:

Silifix RX 17 for surface repairs more than 5 mm thick, Silifix RX 17 thix for repairing broken edges, re-profiling structural pieces (such as kerbs, base pedestals, etc.) and anchoring structural components.

The entire material is all there in a plastic bucket: 2-component primer and 10 kg reactive resin mortar plus hardener.

And working with it is just as simple. Clean the area to be repaired. Mix primer with hardener and apply. Mix the repair mortar in the mortar sack or bucket, apply it, smooth or shape it. And that's it!

No abracadabra here! After only one hour, the mortar can bear its full load. Downtimes are prevented and time saved!



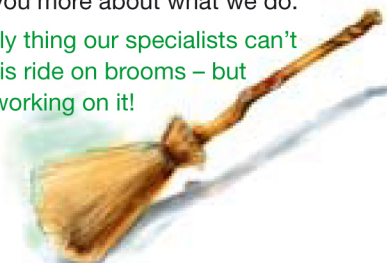
Know-how – no closed book!

Over 50 years of experience can be found in Silikal R 17 reactive resin mortar, 50 years of work by our application technicians at building sites far and wide.

Based on customer needs as seen in practice, we are constantly turning our latest innovations into new products.

Solutions for our customers' problems and needs, finding them is what we do best. Contact us. We would be pleased to tell you more about what we do.

The only thing our specialists can't do yet is ride on brooms – but we're working on it!



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

All details given above can only serve as general information. The various working conditions or circumstances beyond our control and the many different materials in use exclude any claim which might arise out of the information contained herein. In case of doubt, we recommend that you make sufficient trials on your own.



Expect more from your floor.

Silikal
GmbH & Co. KG

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

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