

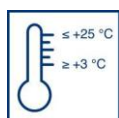
Technical Data Sheet Art. No. 6079

Epoxy SQ 100

Transparent epoxy resin with a very short reaction time



Mixing ratio
2 components



Working temperature



Mixing time



Brush, roller,
apply standing



Pot-life



Store frost-free



Shelf-life

Range of use

Epoxy SQ 100 is a non-pigmented epoxy resin used as a primer below all floor coverings.

Property profile

- Very fast curing
- Complete hardening at temperatures above +3 °C

Substrate

The substrate must be load-bearing, dimensionally stable, sound, free of loose constituents, dust, oil, grease, rubber tyre marks and other substances that could interfere with adhesion.

Tensile strength of the surface of the substrate must be 1.5 N/mm² on average and compressive strength at least 25 N/mm².

The substrate must have achieved its moisture balance and be protected from the effect of moisture from behind, also during utilisation.

- Concrete max. 6 % by mass
- Cement screed max. 6 % by mass

Characteristic data of the product

	Comp. A	Comp. B	Mixture
Density (20 °C):	1.15 g/cm ³	1.02 g/cm ³	1.10 g/cm ³
Viscosity (25 °C):	630 mPa·s	850 mPa·s	1700 mPa·s

The values above represent typical characteristic data of the product and are not to be understood as product specifications.

Substrate preparation

Prepare the substrate by suitable means, e.g. steel shot blasting, so that it meets the given specifications.

Fill broken out or missing areas in the substrate with the Remmers PCC System or Remmers EP Mortars flush with the surface.

Production

Add the entire quantity of hardener (comp. B) to the basic compound (comp. A) and mix with a slow speed electric mixer (approx. 300-400 rpm). Then pour into a separate container and mix again thoroughly.

Directly after mixing, pour the ready to use mix onto the prepared substrate and distribute with suitable tools.

Working time

At 20 °C and 60 % relative humidity approx. 5 minutes. High temperatures reduce, low temperatures increase pot-life.

Notes on working

Use suitable protective equipment when working (see also Personal protective equipment).

Waiting time (+20 °C)

Waiting time between working operations should be at least 1 hour and max. 24 hours.

If, due to conditions on site, waiting times are longer, the surface of the previously applied layer, while still fresh, must be broadcast with fire-dried, fine quartz sand (e.g. with a grain size of 0,3 - 0,8 mm) or grinded up to stress whitening

before the following coating operation.

Working temperature:

The temperature of the material, air and substrate must be at least 3 °C, max. 25 °C Relative humidity should not exceed 80%.

Curing time (+20 °C)

Can be walked on (the surface is not sticky, but still elastic) after 1 hour, resistant to mechanic loads after 1 day.

During the curing process, protect the applied material from moisture; otherwise disturbances on the surface may appear or adhesion may be impaired.

The given times are reduced at higher temperatures and lengthened at lower temperatures.

Mixing ratio

2,3 : 1 parts by weight

Application examples

Primer:

Apply the mixed material to the surface generously, distribute with a suitable tool, e.g. a rubber blade, so that pores in the substrate are completely filled. Then roll with an epoxy roller.

On highly absorbent and open-pored substrates, an additional coat of primer will be necessary.

The application rate depends on the substrate and application and is approx. 0.30 - 0.50 kg/m².

Tools, cleaning

Rubber wiper, epoxy roller, notched squeegee, smoothing trowel.

More information is found in our tool programme brochure. Clean tools, equipment and splashed material immediately while fresh with V 101 Thinner.

When cleaning, make sure that suitable protective measures are taken (see also Personal protective equipment).

Personal protective equipment

Suitable nitrile gloves (e.g. Tricotril made by KCL), protective glasses, splash protection, long sleeved shirt or arm protectors.

More information is found in our tool programme brochure.

Notes

All of the values and application rates given were determined under laboratory conditions (20 °C).

When worked at the building site, these values may deviate slightly.

Primers should always fill pores when they are applied! A second coat or higher application rate may be necessary.

Further notes on working, system construction and maintenance of the listed products are found in the latest Technical Data Sheets as well as in Remmers system recommendations.

Packaging, application rate, shelf-life

Packaging:

Tin container: 5 kg

Application rate:

Primer: approx. 0.3 - 0.5 kg/m²

Shelf-life:

At least 24 months in unopened and unmixed, original containers stored cool but frost-free.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet and the brochure "Epoxy Resins in the Building Industry and the Environment" published by Deutsche Bauchemie e.V. (2nd edition, 2009).

VOC content:

EU limit value for the product (Cat. A/j): max. 500 g/l (2010). This product contains < 500 g/l VOC

Emergency information:

Mon.- Thurs. from 7:30 a.m. to 4:00 p.m.; Fri. 7:30 a.m. to 2:00 p.m. Product Safety Department: Tel.: +49 (0)5432/83-138

After office hours:

Giftinformationszentrum-Nord
24 h hotline + 49(0)551 – 19 240



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GBIII 110_2

EN 13813:2002

6079

Synthetic resin screed for use internally in buildings

Reaction to fire	E _{fl}
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ B1.5
Impact resistance	≥ IR4

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.



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