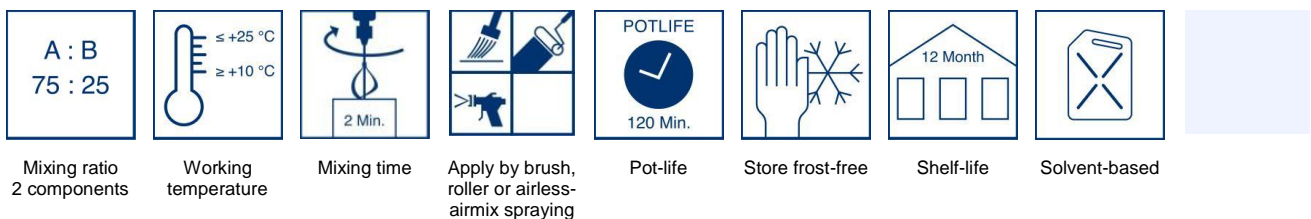


Technical Data Sheet Art. No. 5590, 5591

Epoxy Universal

Chemical resistant, crack-bridging, solvent based, epoxy resin coating



Range of use

Remmers Epoxy Universal is a chemical resistant, crack-bridging coating with a wide application spectrum.

Application examples:

- Sewage disposal plants
- Clarification basins
- Basins for liquid manure
- Bio-gas plants
- Dipping basins
- Air washers

Property profile

Epoxy Universal is a solvent based, pigmented coating material:

- Tar-free
- Crack-bridging up to 0.2 mm
- Resistant to chemicals
- Brushing and spraying consistence
- Thixotropic and drip-free
- Visible working operations possible (black-red-black)

Characteristic data of the product

Density (25 °C):	approx. 1.3 g/cm ²
Flash point:	approx. 30 °C

Colours

Black	Art. No. 5590
Black-red	Art. No. 5591

Substrate

Concrete or screed, steel and galvanised steel are suitable substrates.

Remove oils, grease, cement paste and other contaminants; sandblast steel to SA 2 ½ to remove rust and rolling skin.

Directions

The coating components are packaged in the proper mixing ratio. The hardener (comp. B) should be completely added to the basic compound (comp. A).

Mix with a slow speed, electric mixer (approx. 300 - 400 rpm). Observe a minimum mixing time of 2 minutes. Streaks indicate insufficient mixing.

When airless spraying equipment is used (e.g. Storch SL 1100 piston pump), the mixed material can be adjusted to a spraying consistence with up to 20 % V 103 Thinner.

Mixing ratio

75 : 25 parts by weight

Working time

At 20 °C and 60 % relative humidity approx. 120 minutes. Higher temperatures reduce; lower temperatures increase pot-life.

Notes on working

Wear suitable protective equipment when working (see also Personal protective equipment)

Application method

Depending on use, apply with a brush, epoxy roller or airless spraying equipment.

Waiting time

At 20 °C, waiting time between working operations is at least 12 hours and max. 2 days. The values given are reduced at higher temperatures and lengthened at lower temperatures.

Working temperature

The temperature of the material, air and substrate must be at least 10 °C, max. 25 °C. Relative humidity should not exceed 80 %. The temperature of the substrate must be at least 3 °C above the dew point temperature.

Drying time

At 20 °C and 60 % relative humidity: foot traffic after 12 hours, mechanical loads after 2 days, full loading capacity after 7 days; correspondingly longer at lower temperatures.

During the curing process (approx. 24 hours at 20 °C), protect the material from moisture; otherwise the surface may be disturbed and adhesion may be reduced.

Notes

All of the values and application rates given were determined under laboratory conditions (20 °C) with standard colours. These values may deviate slightly when worked at the building site.

Before coating, close gravel pockets and pores with a stable or thixotropic material, e.g. Epoxy MT 100.

To prevent adhesion problems with intermediate layers, do not exceed

the maximum application rate of 0.4 kg/m².

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Epoxy resins are not colour stable in general when exposed to UV-light and weather.

When reordering standard shades of colours or several batches of customer-produced material are delivered to the same object, please always state the order number or batch number of the first delivery. Without this information, we cannot guarantee the same colour as the first delivery. Repairs on the surface and transition areas where material is worked up to existing surfaces will be different in appearance and texture.

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

Tools, cleaning

Roller, airless spraying equipment (e.g. Storch SL 1100 piston pump). Further information is found in our Tool Programme brochure.

Clean tools and any splashed material immediately while fresh with V 103 Thinner.

Personal protective equipment

Suitable nitrile rubber gloves, protective glasses, splash protection. Detailed information on protective equipment is found in our Tool Programme brochure.

Packaging, application and storage

Packaging:
5 kg, 10 kg and 30 kg tin cans

Application rate:
Steel or concrete:
3 coats á
0.4 kg/m² = 1.2 kg/m²

Galvanised steel sheet:
2 coats á
0.35 kg/m² = 0.7 kg/m²

Shelf-life:

12 months in original, unopened and unmixed containers

Safety, ecology, disposal

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

Giscode: RE 3

VOC content:

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

Emergency information:

Mon.-Thurs. from 7:30 a.m. to 4:00 p.m.; Friday from 7:30 a.m. to 2:00 p.m.

Product Safety Department:
Tel.: +49 (0)5432 83-138

After office hours:
Giftinformationszentrum-Nord
[Poison Information Centre-North]
24 h hotline +49(0)551 - 19 240



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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