

Technical Information Sheet Article No. 6011

Epoxy BS 2000 transparent

Transparent, water emulsifiable, epoxy resin for versatile use

Range of use

Remmers Epoxy BS 2000 transparent is used as an impregnation agent or adhesion promoter in surface protection systems. It can also be used as a bonding layer worked wet-on-wet in combination with levelling compounds or epoxy resin systems.

Application examples:

- Warehouses
- Garages
- Parking garages
- Balconies

Property profile

Epoxy BS 2000 transparent is a transparent, 2-component, water emulsifiable, epoxy resin primer that can be used for versatile applications.

- Low odour
- Water vapour diffusion open
- Excellent adhesion
- Not sensitive to moisture from behind
- Resistant to oils, fuels and heating oil
- Abrasion resistant

Characteristic data of the product

	Comp. A	Comp. B	Mixture
Density (25 °C):	1.01 g/cm ³	1.16 g/cm ³	1.05 g/cm ³
Viscosity (25 °C):	100 mPas	1700 mPas	150 mPas
Colour:	yellowish	clear	yellowish
Abrasion resistance:	0.10 g (Taber roll CS 17/1000 rev./1000 g)		
Solid content:	38 % by mass		

Substrates

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

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

The substrate must also have sufficiently reacted and be load-bearing.

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

In the case of anhydrite and magnesite screeds, the penetration of moisture from building elements or the ground must be absolutely excluded.

Ceramic covers, old coatings, levelling compounds and interior poured asphalt (AS IC 10) must be examined for coating suitability. If necessary, set up trial areas.

Substrate preparation

The substrate must be prepared by suitable means so that it meets the requirements given above, e.g. by steel ball jetting or diamond grinding.

Broken out and missing areas should be filled flush with the surface using the Remmers PCC System or one of the Remmers EP Mortars.

Production

The hardener (component B) is completely added to the epoxy resin (component A) and mixed with a slow speed, electric mixer (approx. 300-400 rpm). Pour into a separate container and mix thoroughly again.

This ready to use mix is then poured directly onto the prepared surface and distributed with a suitable tool.

Mixing ratio

75 : 25 parts by weight

Pot-life

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

Notes on working

When working, take suitable protective measures (see Personal protective equipment).

Application method

Remmers Epoxy BS 2000 transparent is distributed over the prepared surface with a rubber wiper until complete saturation and then worked into the substrate with an epoxy roller. On highly absorbent substrates, Epoxy BS 2000 transparent can be diluted with up to 10 % water.

Waiting time

At 20 °C, waiting times between working operations should be at least 12 hours and max. 2 days. If waiting times are longer, the surface of the last working operation must be sanded and primed again.

The times given are reduced by higher and increased by lower temperatures. During the drying phase, ensure good ventilation so that the water that evaporates is led off. Uneven application as well as poor ventilation may cause matt spots on the coating.

Working temperature

The temperature of the material, air and substrate must be at least 8 ° and max. 30 °C. Relative humidity should not exceed 80 %. The substrate must also be at least 3 °C above the dew point temperature.

Drying time

At 20 °C and 60 % relative humidity: foot traffic after 1 day, me-

chanically loadable after 3 days, full loading capacity after 7 days. At lower temperatures corresponding longer.

Special notes

All of the values and application rates given above were determined under laboratory conditions (20 °C). When worked at the building site, values may deviate slightly.

Grinding mechanical loads will cause wear marks on the surface of the coating.

Use only material with the same batch number for continuous surfaces since there may be slight differences in colour, degree of gloss and texture between batches.

Because of the different absorption behaviour of mineral substrates, impregnated surface look spotty.

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

The coating is suitable for vehicle traffic with rubber tyres but is not suitable for vehicles with polyamide or metal tyres or for dynamic point loads!

To achieve even surfaces, the corresponding roughness depths of the aggregates should be taken into account.

Further notes on working, system construction and maintenance of the listed products are found in the latest Technical Information Sheets and the Remmers System Recommendations.

Tools, cleaning

Brush, rubber wiper, epoxy roller, mixing equipment. Further information is found in our tool programme.

Clean tools, equipment and any splashed material immediately with water while fresh.

When cleaning, take suitable protective measures (see Personal protective equipment).

Personal protective equipment

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

When spraying with material in a spraying consistence, further protective equipment (respiratory filter) is required. See the Safety Data Sheet for information.

Packaging, application rate, shelf-life

Packaging:

Tin containers.
2.5 kg; 10 kg and 25 kg on request

Application rate:

The application rate depends on the state of the substrate and is approx. 0.15 to 0.20 kg/m²

Shelf-life:

At least 9 months in unopened and unmixed, original containers stored 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" issued by Deutsche Bauchemie e.V. (2nd edition, 2009).

GISCODE: RE 02

Chem VOC Paint V (2004/42/EC):

Group (wb): j
Stage 2 (2010): max 140 g/l
Stage 1 (2007): max. 140 g/l

This product contains < 140 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:

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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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GB 6011-01.11