

Technical Information Sheet

Article No. 6370-6379

Epoxy BS 3000 M

(Viscacid BS 3000 silk matt)

High quality, matt, water emulsifiable, pigmented, epoxy resin binder

Range of use

Remmers Epoxy BS 3000 M is used as a sealant in floor and wall areas for surfaces that are subjected to mechanical and chemical loads.

Application examples:

- Warehouses
- Production halls
- Garages
- Parking garages
- Balconies
- Surfaces with ground contact
- Workshops

Property profile

Epoxy BS 3000 M is a pigmented, 2-component, water emulsifiable, epoxy resin binder that can be used for many applications.

- Matt
- Low odour
- Water vapour diffusion open
- Can be subjected to mechanical and chemical loads
- Can be subjected to vehicle traffic
- Can be made slip-retarding
- Physiologically safe
- Suitable for indoor areas

Characteristic data of the product

Comp. A	Comp. B	Mixture	
Density (25 °C):	1.4 g/cm ³	1.1 g/cm ³	1.4 g/cm ³
Viscosity (25 °C):	750 mPas	750 mPas	1400 mPas
Colour:	pigmented	transparent	pigmented
Abrasion resistance:	0.10 g (Taber roll CS 17/1000 rev./1000 g)		
Solid content:	68 % by mass		

Shades of colour

Pebble grey	Art. No. 6371
Silver grey	Art. No. 6372

Special colours:	
20-100 kg	Art. No. 6370
> 100 kg	Art. No. 6379

Substrate

The substrate must be load-bearing, dimensionally stable, sound, free of loose material, dust, oil, grease, rubber marks or other substances with a parting effect. 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 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 must be filled flush with the surface in the Remmers PCC System or with one of the Remmers EP Mortars.

Production

Add the hardener (comp. B) to the base compound (comp. A). Mix intensively with a slow speed mixer (approx. 300-400 rpm.). Then pour into a separate container and mix again thoroughly.

The ready-made mix is then directly poured onto the prepared surface and distributed by suitable means.

Mixing ratio

84 : 16 parts by weight

Pot-life

At 20 °C and 60% relative humidity approx. 30 minutes. Higher temperatures reduce, lower temperatures increase pot-life.

Notes on working

Protective equipment

Please mind suitable protective equipment on the job (q.v. personal protective equipment).

Priming:

Remmers Epoxy BS 2000 should be used as a primer or adhesion promoter on surfaces that are subjected to mechanical loads. The application rate depends on the state of the substrate and is approx. 0.15 - 0.20 kg/m² per working operation.

Sealing:

As a rule, Epoxy BS 3000 M is distributed over the prepared surface with a rubber wiper and then rolled with an epoxy roller. The application rate depends on the state of the substrate and is approx. 0.20 - 0.25 kg/m² per coat.

Waiting time:

At 20 °C, waiting times between working operations should be at least 8 hours and max. 48 hours. The times given are reduced at higher temperatures and increased at lower temperatures or by thicker layers. 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 different degrees

of gloss on the surface. If necessary, divide the surface into several smaller fields.

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.

When larger surfaces are coated, the temperature should be well above the dew point temperature (approx. 10 °C) because of the water that evaporates from the coating.

Drying time

At 20 °C and 60 % relative humidity: foot traffic after 1 day, mechanically loadable after 3 days, full loading capacity after 7 days. At lower temperatures correspondingly 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.

Shades of colours without much hiding power such as yellow, red and orange have a transparent effect. In some cases, the addition of up to 2 % Remmers Add TX may improve the hiding power of the sealant. The substrate is best covered by using suitable primers, e.g. light grey. Grinding mechanical loads lead to wear marks and abrasion of the surface of the coating. This should be taken into consideration in regard to the desired service life.

Please always indicate the order number or batch number of the first delivery for repeat order of sample tones or supplies of several loads to the same object. Without this information the identity of colour is not ensured for first delivery and subsequent delivery. Repairs in the surface and prefabrication to existing surfaces lead to

a visible transition to the appearance and structure.

Epoxy resins are generally not colour stable when exposed to UV-rays and weather. Colour stability can be improved by a UV-absorbing polyurethane sealant.

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

Tools, cleaning

Brush, rubber wiper, epoxy roller, mixing equipment

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

Further information is found in our tools programme.

Personal protective equipment

Suitable nitrile rubber gloves, protection goggles and splash guard.

For spray applications, more comprehensive protective equipment is required (respiratory filter). See Safety Data Sheet for information.

Packaging, application rate, shelf-life

Packaging:

Tin containers.
1 kg, 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. 0.20 to 0.25 kg/m² as a sealant.

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 are 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, as per 2009).

GISCODE: RE 02

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

Group (wb): j
Stage 2 (2010): max 500 g/l
Stage 1 (2007): max. 550 g/l

This product contains < 500 g/l

Emergency Information:

Mon.- Tues. from 7:30 a.m. to 4:00 p.m., Fri. from 7:30 a.m. to 2:00 p.m.

Product Safety Department:


Tel.: +49(0)5432/83-138

After office hours:

Tel.: +49(0)5961/919547

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07	
EN 13813 SR-B1, 5-AR1-IR4	
Epoxy BS 3000 M	
Synthetic resin screed for use in buildings (System construction according to directions in the Technical Data Sheet)	
Behaviour under fire	B _{fl} ³⁾
Release of corrosive substances	SR
Water permeability	NPD ²⁾
Resistance to wear	≤ AR 1 ¹⁾
Adhesive pull strength	≥ B 1.5
Impact resistance	≥ IR 4
Sound insulation	NPD
Sound absorption	NPD
Thermal insulation	NPD
Resistance to chemicals	NPD

- 1) Determined according to BCA method on smooth covers
- 2) NPD: characteristic value not stipulated
- 3) In Germany, DIN 4102 is presently still valid, Fire Class B1 is fulfilled and is comparable with DIN EN 13501-1 Class B_{fl}



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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