Technical Data Sheet
Art. No. 6370-6379

Epoxy BS 3000 M New

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

Mixing ratio 2 components | Working temperature | Mixing time | Brush, roller | Pot-life | Store frost-free | Shelf-life

Range of use

Remmers Epoxy BS 3000 M New is used as a sealant in the Remmers Water Vapour Diffusion-Open System:

Application examples:
- Warehouses
- Production halls
- Garages
- Parking garages
- Workshops

Property profile

Epoxy BS 3000 M New is a pigmented, 2-component, water emulsifiable, epoxy resin binder with a wide application spectrum.

- 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-resistant
- Physiologically safe
- Suitable for indoor areas

Characteristic data of the product

	Comp. A	Comp. B	Mixture
Density (25 °C):	1.4 g/cm³	1.1 g/cm³	1.4 g/cm³
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, approx. RAL 7032
Art. No. 6371

Silver grey, approx. RAL 7001
Art. No. 6372

Special colours:
Art. No. 6370 (> 100 kg)
Art. No. 6379 (< 100 kg)

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 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.

Remmers GmbH 49624 Löningen Tel 05432/83-0 Fax: 05432/3985 www.remmers.de

Substrate preparation

The substrate must be prepared by suitable means so that it meets the specifications given above, e.g. by steel shot blasting or diamond grinding. Fill broken out and missing areas flush with the surface using the Remmers PCC System or one of the Remmers EP Mortars, then prime.

Production

Add the entire quantity of the hardener (component B) to the epoxy resin (component 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 material onto the prepared surface and distribute with suitable tools.

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

When working, use suitable protective equipment (see also Personal protective equipment).

Priming:
Remmers Epoxy BS 2000 New 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.

Levelling layer:
For optional levelling or blinding layers, use Epoxy BS 4000.

Sealing:
As a rule, Epoxy BS 3000 M New is mixed with 5 % water and distributed over the prepared surface with a squeegee 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 and if layers are thicker.
Ensure good ventilation during the drying phase so that evaporated water is led off. Uneven application as well as poor ventilation may cause differences in the degree of gloss on the surface. If necessary, divide the surface into several small 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 temperature must also be at least 3 °C above the dew point temperature.

When dealing with larger coated surfaces, the temperature should be well above the dew point temperature (approx. 10 °C) because of the quantity of 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, these values may deviate slightly.

Shades of colour without much hiding power such as yellow, red and orange tend to have a translucent effect. In some cases, the addition of up to 2 % Remmers Add TX may improve the hiding power of the sealant.

Abrasive mechanical loads cause wear marks which leads to abrasion on the surface of the coating. This should be taken into consideration in regard to the desired service life.

When reordering standard shades of colours or when several batches are delivered to the same object, please always give the order or batch number of the first delivery. Without this information, we cannot guarantee that subsequent deliveries will have the same shade of colour as the first delivery.

When surfaces are repaired or work is carried out up to existing surfaces made of the same material, there will be a visible difference in the appearance and texture.

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

Vehicle traffic with rubber tyres is permissible; the coating is not suitable for vehicles with metal or polyamide tyres or for dynamic point loads!

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, squeegee, epoxy roller, mixing equipment. Further information on tools and equipment is found in our tool programme catalogue.

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

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

Remmers GmbH 49624 Löningen Tel 05432/83-0 Fax: 05432/3985 www.remmers.de

Personal protective equipment

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

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

Packaging, application rate, shelf-life

Packaging:
Tin containers:
1 kg, 5 kg, 10 kg
25 kg upon request

Application rate:
The application rate depends on the state of the substrate and ranges between 0.20-0.25 kg/m²

Shelf-life:
At least 9 months in unopened and unmixed, original containers stored frost-free.

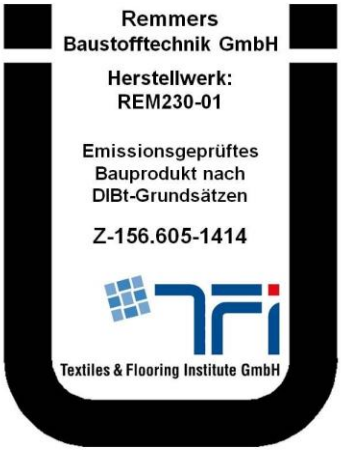
Safety, ecology, disposal

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 Construction Industry and the Environment” issued by Deutsche Bauchemie e.V. (2nd edition, as per 2009)

GISCODE: RE 1

VOC content:
EU limit for the product (Cat. A/j): 140 g/l (2010)
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:
Tel.: +49 (0)5432 83-138
After office hours:
Giftinformationszentrum-Nord
[Poison Information Centre North]
24 h hotline +49 (0)551 - 19240



CE

Remmers GmbH
Bernhard-Remmers-Str. 13
D-49624 Löningen

11

GBIII 047_4

EN 13813:2002

6370

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

Remmers (UK) Limited Crawley
United Kingdom
Tel: +44 (0) 1293 594 010
Fax: +44 (0) 1293 594 037
www.remmers.co.uk