



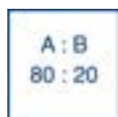
Technical Data Sheet Art. No. 6380-6389

Epoxy BS 3000 SG New

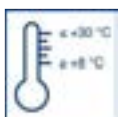
High quality, silk gloss, water emulsifiable, pigmented, epoxy resin binder



Water based



Mixing ratio
2 components



Working
temperature



Mixing time



Brush, roller



Pot-life



Store frost-free



Shelf-life

Range of use

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

Application examples:

- Production rooms
- Warehouses
- Workshops

Property profile

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

- Silk gloss
- 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):	1.5 g/cm ³	1.1 g/cm ³	1.4 g/cm ³
Viscosity (25 °C):	400 mPas	200 mPas	750 mPas
Colour:	pigmented	transparent	pigmented
Abrasion resistance:	0.07 g (Taber roll CS 17/1000 rev./1000 g)		
Solid content:	65 % by mass		

Shades of colour

Approx. RAL 7032, pebble grey
Art. No. 6381

Approx. RAL 7001, silver grey
Art. No. 6382

Approx. RAL 7035, light grey
Art. No. 6383

Approx. RAL 7030, stone grey
Art. No. 6386

Approx. RAL 7012, basalt grey
Art. No. 6389

Special colours:

> 100 kg

Art. No. 6380

< 100 kg

Art. No. 6399

Substrate

The substrate must be load-bearing, dimensionally stable, sound, free of loose material, dust, oil, grease, marks from rubber tyres 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 ruled out.

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 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 and, if necessary, level.

Production of the mixture

Add the entire quantity of 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 thoroughly again.

Mixing ratio

80 : 20 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 the required 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.

Sealant:

As a rule, Epoxy BS 3000 SG New is 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 16 hours and max. 48 hours. The times given are reduced at higher temperatures and increased at lower temperatures or by thicker layers.

Ensure good ventilation during the drying phase to ensure that evaporating water is led off. Uneven application as well as poor ventilation may cause differences in the 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.

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) with standard shades of colour. When worked at the building site, these values may deviate slightly.

The coating system has a slightly textured surface which is typical for this type of system.

Shades of colours 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 lead to abrasion on the surface of the coating. This should be taken into consideration in regard to the desired service life.

Always use material with the same batch number for continuous surfaces.

When reordering standard shades of colour or when delivering several batches to the same object, always state the order number or batch number of the first delivery. Without this information, we cannot guarantee the exact same shade of colour as the first delivery. It is not possible, however, to match the degree of gloss.

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 appearance, texture and degree of gloss.

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 vehicle traffic with polyamide or metal 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 in Remmers System Recommendations.

Tools, cleaning

Brush, squeegee, 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 also Personal protective equipment).

Personal protective equipment

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

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

Packaging, application rate, storage

Packaging:

Tin containers.
1 kg, 5 kg, 10 kg;
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 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

VOC content :

EU limit value for the product (Cat. A/j): max. 140 g/l (2010)

This product contains < 140 g/l VOC.

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

24 h hotline: +49 (0)9551 - 19240



	
Remmers GmbH Bernhard-Remmers-Straße 13 D-49624 Lönningen 07 GBIII 024_5	
EN 13813:2002 6380 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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