Epoxy BS 2000 Clear

Water-based impregnation agent and primer

PFAS-free formulation

	Availability		
	Quantity per pallet		
	Size / Quantity	**10 kg**	**25 kg**
	Type of container	Tin bucket	Tin bucket
	Container code	11	26
	Art. no.		
	6011	■	■

Application rate

See application examples

Range of use

- Primer in Remmers water vapour diffusion (WDD) systems
- Impregnation of mineral substrates

Property profile

- Excellent adhesion on many substrates
- Water vapour diffusion capable

Characteristic data of the product

	Component A	Component B	Mixture
Density (20 °C)	1.02 g/cm³	1.10 g/cm³	1.05 g/cm³
Viscosity (25 °C)	280 mPa s	750 mPa s	260 mPa s
Appearance			Yellowish

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Additional information

› **Sustainability Data Sheet**

Possible system products

› **Epoxy BS 3000 M (6370)**
› **Epoxy BS 3000 SG (6380)**

Preparation

- **Substrate requirements**

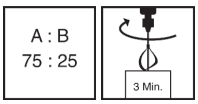
The substrate must be firm, dimensionally stable, capable of bearing loads and free of loose constituents, dust, oil, grease, rubber marks and other substances that could interfere with adhesion.
The tensile strength of the surface of the substrate must be at least 1.5 N/mm² on average (smallest individual value of at least 1.0 N/mm²), and the compressive strength must be at least 25 N/mm².
Substrates must have reached their moisture balance and must also be protected against moisture penetration from the reverse side, including during use.

Concrete	max. 6 m% moisture
Cement screed	max. 6 m% moisture
Anhydrite screed	max. 0.3 m% moisture
Magnesite screed	2-4 m% moisture

In the case of anhydrite and magnesite screeds, moisture cannot be permitted to penetrate from building elements or the ground.
As a general principle, systems which permit the diffusion of water vapour are recommended for use with anhydrite and magnesite screeds.

■ **Substrate preparation**
Prepare the substrate by suitable means, e.g. steel shot blasting, so that it meets the specifications listed above.
Broken-out or missing areas in the substrate should be filled flush with the surface using Remmers RM systems (RM = Repair Mortar) or Remmers EP mortars.

Production of the mixture



■ **Combi-container**
Add the entire quantity of the hardener (component B) to the base compound (component A).
Mix thoroughly with a slow-speed electric mixer
(approx. 300 - 400 rpm).
Pour the mixture into a separate container and mix again thoroughly.
Mix for at least 3 minutes.
Insufficient mixing is indicated by streaks forming.
When using on highly absorbent substrates, mix the product with up to 20% by mass of water as necessary.

Mixing ratio (A : B)	75 : 25 parts by weight

As soon as the mixture is ready to use, apply all of it to the prepared surface and spread it using a suitable tool.

Directions

For professional users only!

■ **Conditions for use**
Temperature of the material, air and substrate: from min. +8 °C to max. +30 °C.
During the curing process, the applied material should be protected from moisture which could impair the surface and impair the adhesion.
Relative humidity should not exceed 80%.
The temperature of the substrate must be at least 3 °C above the dew point temperature during application and curing.
Good ventilation must be ensured so that water can be released into the air.

■ **Working time (+20 °C)**
Max. 60 minutes

■ **Waiting time (+20 °C)**
Waiting times between coats should be at least 12 hours and max. 48 hours.
In the case of longer waiting times, sand the surface treated in the previous work step and apply primer again.

■ **Drying time (+20 °C)**
Foot traffic after 1 day, mechanical loading after 3 days, full loading capacity after 7 days.

The times given are reduced at higher temperatures and increased at lower temperatures, in particular in combination with high humidity.

Application examples

■ **Impregnation/strengthening**
Dilute the material with water up to 10 M-% and pour onto the surface until saturated. Spread with suitable accessories, such as a rubber slider, and then work into the substrate with an epoxy-roller.
It may be necessary to apply several layers.

Application rate	approx. 0.20 - 0.50 kg/m² binder (depending on the substrate)

■ **Priming**
Apply the mixed resin generously to the surface. Distribute with a suitable tool, e.g. rubber blade, and work into the substrate with an epoxy roller so that pores in the surface of the substrate are completely filled.
It may be necessary to apply several layers.

Application rate	approx. 0.20 - 0.30 kg/m² binder (depending on the substrate)

Notes

Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C). Slight deviations from these values may arise if the product is worked with on site.
Primers must always be applied so that all pores are filled; it may therefore be necessary to increase the application rate or to apply a second coat.
Wetting problems are possible on non-absorbent or slightly hydrophobic substrates. In this case, the priming must be repeated a second time.
As mineral substrates have different absorption capacities, impregnated surfaces have a spotted appearance.
Not suitable for high-visibility surfaces.
Epoxy resins are generally not colourfast when exposed to UV light or weather.

The end of the pot life cannot be recognised by increased viscosity or temperature, thus the max. working time must be strictly observed.
Abrasive mechanical loads leave traces of wear.
Further notes on working, system construction and maintenance of the listed products can be found in the

latest Technical Data Sheets and the Remmers system recommendations.

Tools / Cleaning

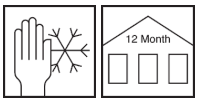
Paintbrush, rubber scraper, epoxy roller, mixer

More detailed information can be found in the Remmers Tool Programme.
Clean tools, equipment and any splashed material immediately with water while still fresh.
Take suitable protective and waste disposal measures when cleaning.

Remmers tools

› **Patentdisperser (4747)**

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.

Safety data / Regulations

For professional users only!

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet and the brochure entitled "Epoxy Resins in the Construction Industry and the Environment", issued by Deutsche Bauchemie e.V. (3rd edition 2022).

Disposal

Large product residues must be disposed of in the original packaging in accordance with the applicable regulations. Do not pour liquid coating or residues down the drain, even when cleaning tools. Must not be disposed of with household waste. Avoid product release, e.g. through dust, during application. Completely empty packaging must be disposed of in the recycling system.

VOC content as per the "Decopaint" Directive (2004/42/EC)

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

Declaration of performance

› **Declaration of performance**

Declaration of conformity

CE UKCA

Remmers GmbH (CE)
Bernhard-Remmers-Str. 13, D – 49624 Löningen

Remmers (UK) Limited (UKCA)
1 & 2 Garden Suites, Coleshill Manor Campus, Birmingham B46 1DL (GB)

13 (CE); 24 (UKCA)
GBIII 052_3
EN 13813:2002
6011

Synthetic resin screed for use internally in buildings

Reaction to fire:	E_{fl}
Release of corrosive substances:	SR
Wear resistance:	≤ AR0.5
Bond strength:	≥ B1.5
Impact resistance:	≥ IR4

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.