



# Epoxy BS 3000 SG

Water-based, pigmented, silk-gloss sealant



Colour	Availability				
	Quantity per pallet	200			
	Size / Quantity	1 kg	5 kg	10 kg	25 kg
	Type of container	Tin bucket	Tin bucket	Tin bucket	Tin bucket
	Container code	01	06	11	26
	Art. no.				
pebble grey	6381	■	■	■	■
silver grey	6382	■	■	■	■
light grey	6383	■	■	■	■
stone grey	6386	■	■	■	■
basalt grey	6389	■	■	■	■
special colours from 5 kg	6380		■	■	■

**Application rate** See application examples

- Range of use**
- Sealant in Remmers Water Vapour Diffusion-Open systems
  - Topcoat on Remmers Water Vapour Diffusion-Open blinded coatings
  - System component in TÜV PROFICERT-product Interior certified systems (707106482-4, -5)
  - Topcoat in the system Remmers Deck OS 8 WD

**Property profile**



- Silk gloss
- Anti-slipping version possible
- Water vapour diffusion capable
- Contains no plasticisers, nonylphenols or alkylphenols
- Physiologically harmless once fully cured

**Characteristic data of the product**

- **On delivery**
- |                |             |
|----------------|-------------|
| Solids content | 65% by mass |
|----------------|-------------|

- **On delivery**



	Component A	Component B	Mixture
Density (20 °C)	1.5 g/cm <sup>3</sup>	1.1 g/cm <sup>3</sup>	1.4 g/cm <sup>3</sup>
Viscosity (25 °C)	400 mPa s	200 mPa s	750 mPa s

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

## Certificates

- [Fire test \(classification\) SL Floor WDD Flake](#)
- [Declaration of concordance](#)
- [Sustainability data sheet](#)
- [TÜV PROFiCERT-PREMIUM\\_Remmers WDD\\_Certificate](#)
- [TÜV PROFiCERT-PREMIUM\\_Remmers WDD\\_Annex](#)

## Possible system products

- [Epoxy BS 2000 \(6001\)](#)
- [Epoxy BS 4000 \(6320\)](#)
- [Add 250 \(6271\)](#)

## Preparation

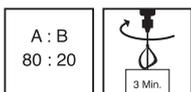
### ■ Substrate requirements

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 substrate must be prepared using suitable Remmers Water Vapour Diffusion-Open products.

For OS 8 systems, please see the corresponding test certificate.

## 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.

<b>Mixing ratio (A : B)</b>	80 : 20 parts by weight
-----------------------------	-------------------------

As soon as the mixture is ready to use, apply it in full to the prepared surface and spread it using suitable tools.

## 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.

If necessary, divide the surface into several small fields.

### ■ Working time (+20 °C)



approx. 30 minutes

■ **Waiting time (+20 °C)**

Waiting times between the application of each coat: min. 16 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 loads 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  
Absorbent substrates**

■ **Base layer for blinded coatings**

Pour the material generously onto the surface. Use a suitable tool, e.g. a rubber scraper, to distribute the material, then roll using an epoxy roller.  
Blind the fresh base layer with colour flakes or sediment flakes.

Application rate	min. 0.30 kg/m <sup>2</sup> binder
------------------	------------------------------------

■ **Sealant**

Pour the material generously onto the surface. Use a suitable tool, e.g. a rubber scraper, to distribute the material, then roll using an epoxy roller.

Application rate	approx. 0.15-0.25 kg/m <sup>2</sup> binder per coat
------------------	---

■ **Top sealant**

Pour the material generously onto the surface. Use a suitable tool, e.g. a rubber scraper, to distribute the material, then roll using an epoxy roller.  
Multiple layers must be applied. Dilute the resin mixture for the first application with 5% by mass of water.

Application rate	approx. 0.60-0.80 kg/m <sup>2</sup> binder per coat
------------------	---

**Notes**

Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C) using standard colours. Slight deviations from these values may arise if the product is worked with on site.

When coating continuous surfaces, only use materials with the same batch number as slight differences in colour, gloss and texture may occur.

When repairing surfaces or working up to existing surfaces, there will be a visible transition in appearance, texture and degree of gloss.

Shades of colour with low hiding power (e.g. yellow, red or orange) tend to have a translucent effect on the subsequently applied sealant. In such cases, a colour-coordinated construction, e.g. light grey, is necessary.

The sealant has a slightly textured surface typical for this type of system.

In order to achieve even surfaces, appropriate allowances for roughness depth must be taken into consideration.

Abrasive mechanical loads leave traces of wear.

Suitable for vehicle traffic with rubber tyres; not suitable for vehicle loads with metal or polyamide tyres nor for dynamic point loads.

Epoxy resins are generally not colourfast when exposed to UV light or weather.

The colour stability of the sealant can be improved by using a UV-absorbent polyurethane



sealant.

Observe the corresponding test certificate for OS 8 systems.

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**

Notched trowel, smoothing trowel, paintbrush, epoxy roller and mixing apparatus



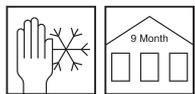
More detailed information can be found in the Remmers Tool Programme.

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

Take suitable protective and waste disposal measures when cleaning.

**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 9 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. (2nd edition 2009).

**Personal protective equipment**

This information can be obtained from the current Safety Data Sheets and/or the relevant professional associations.

**Disposal**

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

**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 (EN)**



Declaration of conformity



1119, 1658

**Remmers GmbH**

Bernhard-Remmers-Str. 13, D – 49624 Lönningen

15

GBIII 024\_6

EN 1504-2:2004

6380

Surface protection products – Coating

Abrasion resistance:	weight loss < 3000 mg
Permeability to CO <sub>2</sub> :	s <sub>D</sub> > 50 m
Water vapour permeability:	class II
Capillary absorption and permeability to water:	w < 0.1 kg/(m <sup>2</sup> h <sup>0.5</sup> )
Thermal compatibility:	≥ 2.0 (1.5) N/mm <sup>2</sup> *
Resistance to severe chemical attack:	reduction in hardness < 50 %
Impact resistance:	class I
Adhesion strength by pull-off test:	≥ 2.0 (1.5) N/mm <sup>2</sup> *
Reaction to fire:	class B <sub>fl</sub> - s1
Skid resistance:	class III

\* The value in parentheses is the smallest permissible value per reading

**Remmers GmbH**

Bernhard-Remmers-Str. 13, D – 49624 Lönningen

07

GBIII 024\_6

EN 13813:2002

6380

Synthetic resin screed for use internally in buildings

Reaction to fire:	E <sub>fl</sub>
Release of corrosive substances:	SR
Wear resistance:	≤ AR 1
Bond strength:	≥ B 1.5
Impact resistance:	≥ IR 4

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.