Technical Data Sheet
Product number 6380

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 (approx. RAL 7032)	6381	■	■	■	■
silver grey (approx. RAL 7001)	6382	■	■	■	■
light grey (approx. RAL 7035)	6383	■	■	■	■
stone grey (approx. RAL 7030)	6386	■	■	■	■
basalt grey (approx. RAL 7012)	6389	■	■	■	■
special colours from 5 kg	6380		■	■	■
	6391				■
	6392				■
	6393				■

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
- Topcoat in the system Remmers Deck OS 8 WD
- System component in TÜV PROFICERT product interior certified systems (707106482-2)

Property profile

- Silk gloss
- Can be given non-slip properties
- Water vapour diffusion capable
- Coating compatibility test
- 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/cm³	1.1 g/cm³	1.4 g/cm³
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.

Additional information

› **Sustainability Data Sheet**

Possible system products

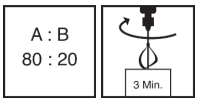
› **Add 250 (6271)**

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.

Mixing ratio (A : B)	80 : 20 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.
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/m² 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/m² 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/m² binder in two coats

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

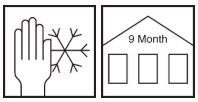
Notched trowel, smoothing trowel, paintbrush, epoxy roller and mixing apparatus

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.

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 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. (3rd edition 2022).

Personal protective equipment

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

Disposal

Larger 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. Completely empty packaging must be recycled.

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

1119, 1658 (CE); 0836 (UKCA)

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15 (CE); 22 (UKCA)
GBIII 024_7
EN 1504-2:2004
6380

Surface protection products – Coating

Abrasion resistance:	weight loss < 3000 mg
Permeability to CO_2:	s_D > 50 m
Water vapour permeability:	class II
Capillary absorption and permeability to water:	w < 0.1 kg/(m² $h^{0.5}$)
Thermal compatibility:	≥ 2.0 (1.5) N/mm² *
Resistance to severe chemical attack:	reduction in hardness < 50 %
Impact resistance:	class I
Adhesion strength by pull-off test:	≥ 2.0 (1.5) N/mm² *
Reaction to fire:	class B_{fl} - s1
Skid resistance:	class III

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

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GBIII 024_7
EN 13813:2002
6380

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