



Epoxy OS Color

Pigmented coating



Colour	Availability				
	Quantity per pallet	2 kg	10 kg	25 kg	25 kg
	Quantity per pallet	120			
	Type of container	Multi-chamber bag	Tin bucket	Tin bucket	Tin bucket
	Container code	02	11	25	26
	Art. no.				
pebble grey	6981	■	■	■	
silver grey	6982	■	■	■	
light grey	6984		■	■	
basalt grey	6985			■	
concrete grey	6986			■	
window grey	6987			■	
stone grey	6988			■	
special colours from 10 kg	6980		■		■

Application rate See application examples

Range of use

- Coating
- Filled coating
- Coating in DIBt-approved systems for common rooms (general building inspectorate approval Z-156.605-1594)

Property profile

- Can be subjected to mechanical loads
- Can be subjected to chemical loads
- Suitable for hand pallet trucks and forklift trucks
- Physiologically harmless once fully cured

Characteristic data of the product

■ On delivery

	Component A	Component B	Mixture
Density (20 °C)	1.6 g/cm ³	1.1 g/cm ³	1.5 g/cm ³
Viscosity (25 °C)	3900 mPa s	340 mPa s	1600 mPa s



■ **Once fully cured**

Abrasion according to Taber test	49 mg (CS10, 1000 U, 1000 g)
Early resistance to water	after 24 hours (+20 °C)
Shore D after 28 days	> 78
Flexural tensile strength	> 16 N/mm ²
Compressive strength	> 46 N/mm ²

*Epoxy resin mortar 1 : 10 with standard sand

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

Certificates

- [Fire test \(classification\)](#)
- [Foodstuff certificate](#)
- [Resistance \(chemicals\)](#)
- [Clean room test: particle emissions \(ISO Class 3\)](#)
- [Clean room test: outgassing](#)

Additional information

- [Declaration of concordance](#)
- [Sustainability data sheet](#)

Possible system products

- [Epoxy ST 100 \(1160\)](#)
- [PUR Top M Plus \(6735\)](#)

Preparation

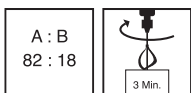
■ **Substrate requirements**

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 adhesive pull strength of the surface after priming must be at least 1.5 N/mm² on average (smallest single value min. 1.0 N/mm²), compressive strength at least 25 N/mm². A suitable Remmers epoxy primer or epoxy scratch coat must always be used.

Refer to the current Technical Data Sheet for detailed information on the single products. For works within the framework of the general building inspectorate approval, the substrates must correspond to the requirements of the approval and the system products mentioned therein must be used.

Production of the mixture



■ **Multi-chamber bag**

Open the outer packaging along the perforation and remove the transparent multi-chamber bag. Remove the dividing strip on the bag. Then mix the two components together by kneading the contents of the bag intensively (approx. 60 seconds).

■ **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)

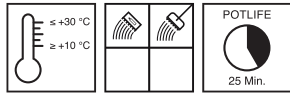
82 : 18 parts by weight



In the case of filled systems, slowly stir the corresponding quantity of filler into the reaction resin mixture and mix thoroughly.

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. +10 °C to max. +30 °C.

After application, protect the surface for at least 48 hours from exposure to water and moisture.

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.

■ **Working time (+20 °C)**

Approx. 25 minutes

■ **Waiting time (+20 °C)**

Waiting times between coats should be at least 12 hours and max. 48 hours.

If conditions on site require longer waiting times, the surface must be slightly sanded (until it turns white) before the following application.

■ **Drying time (+20 °C)**

Mechanical loads after 3 days, full loading capacity after 7 days.

Temperature	Foot traffic after
+8 °C	48 hours
+12 °C	30 hours
+20 °C	16 hours

Setting may be accelerated by adding ACC H. The associated directions for use are available upon request.

As a general principle, higher temperatures will reduce and lower temperatures will increase the times stated.

Application examples

■ **Application rates table**



Application	Degree of filling with Selectmix 01/03	Application rate binder [kg/m ²]	Application rate mixture [kg/m ²]	Possible toothed blade	Application rate per mm layer thickness [kg/m ²]
Coating < 1 mm	unfilled	0.8 - 1.0	0.8 - 1.0	No. 5	--
Coating approx. 1 mm	unfilled	1.3 - 1.5	1.3 - 1.5	No. 7	1.50
Filled coating	1 : 0.3	min. 1.3	min. 1.8	No. 25	1.55
Filled coating	1 : 0.5	min. 1.5	min. 2.2	No. 46	1.65
Filled coating	1 : 0.7	min. 1.8	min. 3.1	No. 55	1.75

The stated approximate application quantities refer to smooth, level substrates.

The application rates given for each toothed blade are based on experience values and can vary depending on the conditions on site.

The degree of filling is heavily dependent on the climate conditions on the building site and must be corrected upward or downward depending on temperature.

■ Coating

Pour the material onto the prepared substrate and then distribute using a suitable tool, e.g. a notched trowel or notched scraper.

Subsequently roll over with a looped or a spiked roller.

The application rate depends on the substrate, temperature, required coating thickness, and optical requirements.

Application rate (see table)

■ Filled coating

Pour the material filled with Selectmix 01/03 on the previously prepared surface and distribute with a suitable toothed trowel/spreader and, if needed, roll over with a spiked roller.

The degree of filling must be chosen depending on substrate, temperature and required layer thickness.

Application rate (see table)

■ Base layer for blinded coatings

Pour the material filled up to 1 : 0.5 parts by weight onto the prepared surface, distribute with a suitable toothed trowel/spreader and, if necessary, roll over with a spiked roller.

Then liberally broadcast fire-dried quartz sand over the base layer while it is still fresh.

Remove any loose, surplus sand after hardening.

Application rate (see table)



■ **Top sealant**

Pour the material onto the prepared surface, spread evenly using a rubber scraper, then roll crossways using a suitable epoxy roller.

Application rate	approx. 0.5 - 0.8 kg/m ² binder
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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.

From experience, slightly opaque colours (e.g. yellow, red or orange, etc.) have a varnishing effect. Please consider this when choosing and assembling systems.

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

Application of the mixture by toothed trowel/toothed spreader. If the product is applied with a smoothing trowel/screed levelling tool, trowel marks may be visible on the finished surface.

Special colours, low layer thickness or differing sand fractions as well as lower temperatures can reduce the maximum degree of filling of the material and possibly affect the visual appearance of the surface.

In case of repairs on the surface or working up to existing surfaces, there will be a visible transition in appearance and texture.

Abrasive mechanical loads leave traces of wear.

Exposure to vehicles with metal or polyamide tyres as well as dynamic concentrated loads can cause faster wearing of the coating.

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

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

Toothed trowel, toothed squeegee, looped roller, spiked roller, suitable mixing equipment



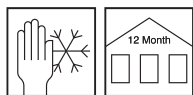
More detailed information can be found in the Remmers Tool Programme.

Clean tools, equipment and splashed material immediately while fresh with V 101 Thinner.

Take suitable protective and waste disposal measures when cleaning.

Storage / Shelf life

If stored unopened in the original container and kept cool, dry and protected from frost, min. 12 months (component A)/min. 24 months (component B).



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. 500 g/l (2010).
This product contains < 500 g/l VOC.

VOC	
Kat.	A/j
2010:	500g/l
max.:	500g/l

Declaration of performance

➤ Declaration of performance

Declaration of conformity



Remmers GmbH
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16
GBIII 093_2
EN 13813:2002
6980

Synthetic resin screed for use internally in buildings

Reaction to fire:	E _{fl}
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.