



# Epoxy AS Color

Conductive coating

Colour	Availability		
	Quantity per pallet		
	Size / Quantity	10 kg	25 kg
	Type of container	Tin bucket	Tin bucket
	Container code	11	26
	Art. no.		
light grey	6976		■
Special colours from 100 kg	6975	■	■

Application rate                      See application examples

Range of use                            ■ Electrically dissipative coating

Property profile                      ■ Conductive  
 ■ Can be subjected to mechanical loads  
 ■ Can be subjected to chemical loads  
 ■ Coating compatibility test  
 ■ Optional slip resistance (when used in a system)  
 ■ Suitable for hand pallet trucks and forklift trucks

Characteristic data of the product                      ■ On delivery

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

■ Once fully cured

Reaction to fire (DIN EN 13501-1)	B <sub>fl</sub> -s1* (Low Flammability)
Slip resistance class (DIN EN 51130:2014)	R9 (with Mica GHL 3/0)
Earth discharge resistance acc. to EN 1081 (three-point electrode)	< 10 <sup>8</sup> Ω
Abrasion according to Taber test	48 mg (CS10, 1000 U, 1000 g)
Shore D after 28 days	> 78

\* Fire test class in defined systems (see test report on fire classification: Remmers conductive systems).  
 The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates                            > Prüfbericht Brandklassifizierung - Remmers ableitfähige Systeme  
 > Sustainability data sheet  
 > Declaration of concordance

Possible system products                      > Epoxy ST 100 (1160)  
 > Copper Tape (4551)  
 > Epoxy Conductive (6671)  
 > Epoxy Conductive LE (6701)  
 > Earthing Kit (4933)

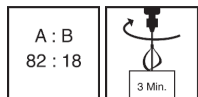
Preparation                              ■ Substrate requirements



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/mm<sup>2</sup> on average (smallest individual value of at least 1.0 N/mm<sup>2</sup>), and the compressive strength must be at least 25 N/mm<sup>2</sup>.  
A suitable Remmers epoxy primer or epoxy scratch coat must always be used.

- **Substrate preparation**  
Before the application of the product a smooth surface must be produced, e.g. with a scratch coat.  
Refer to the current Technical Data Sheet for detailed information on the single products.  
Epoxy Conductive must be applied according to the current Technical Data Sheet as transverse conducting layer.

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).  
Mix for at least 3 minutes.  
Insufficient mixing is indicated by streaks forming.

<b>Mixing ratio (A : B)</b>	82 : 18 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. +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
- **Drying time (+20 °C)**  
Foot traffic after 16 hours, mechanical loads after 3 days, full loading capacity after 7 days.

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

Application examples

- **Coating**  
The stated approximate application quantities refer to smooth, level substrates.  
Pour the material onto the prepared substrate and then distribute using a suitable tool, e.g. a notched trowel or notched scraper.  
Then rework with a looped roller or spiked roller.

<b>Application rate</b>	approx. 1.8 - 2.5 kg/m <sup>2</sup> binder
-------------------------	--

- **Base layer for blinded coatings**  
Apply the material to the prepared surface, spread with a suitable toothed trowel/notched scraper and, if necessary, finish with a spiked roller.  
Scatter an excess of Ceramix Conduct 04/08 onto the base coat while it is still wet.  
Remove any loose, excess material after hardening.

<b>Application rate</b>	approx. 1.4 kg/m <sup>2</sup> binder and 5 - 6 kg/m <sup>2</sup> Ceramix Conduct 04/08
-------------------------	---

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

<b>Application rate</b>	approx. 0.6 - 0.7 kg/m <sup>2</sup> binder
-------------------------	--

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.  
When coating continuous surfaces, only use materials with the same batch number as slight differences in colour, gloss and texture may occur.  
The conductivity of the coating is due to its carbon fibres. These are only slightly visible in highly opaque and darker colours. Colours with low opacity should not be used on account of the visibility of the carbon fibres and the potential for the black transverse conducting layer to show through.  
In the case of light sealant shades, the covering capacity may be limited due to the inherent colour of the sprinkling granules.  
Before the application of the covering layer, the correct functioning of the transverse conducting layer and of the



connections must be proved and registered in a measurement report.  
 Low levels of air humidity can cause a higher discharge resistance, uneven or thicker layers can even lead the coating to not be conductive at all.  
 Thin layers, sloping surfaces and low temperatures may impair the visual appearance.  
 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.  
 In case of repairs on the surface or working up to existing surfaces, there will be a visible transition in appearance and texture.  
 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

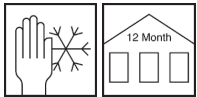
Toothed trowel, notched spreader, looped roller, spiked roller, suitable mixing equipment



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. (3rd edition 2022).

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**  
 Bernhard-Remmers-Str. 13, D – 49624 Lönningen  
**UKCA Remmers (UK) Limited**  
 Unit 4, Lloyds Court, Manor Royal Crawley, RH10 9QU

CE 16 / UKCA 21  
 GBIII 125\_2  
 EN 13813:2002  
 6975

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.