



Epoxy Conductive LE

Water-based transverse conducting layer

Colour	Availability	
	Quantity per pallet	
	Size / Quantity	10 kg
	Type of container	Tin bucket
	Container code	11
	Art. no.	
black	6701	■

Application rate See application examples

Range of use ■ Transverse conducting layer in dissipative Remmers systems

Property profile ■ Electrically conductive



Characteristic data of the product

	Component A	Component B	Mixture
Density (20 °C)	1.08 g/cm ³	1.15 g/cm ³	1.04 g/cm ³
Viscosity (25 °C)	1000 mPa s	750 mPa s	2700 mPa s

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

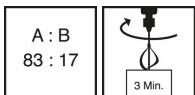
Possible system products

- Epoxy ESD Color 3K (6668)
- Epoxy AS Color (6975)
- PUR Uni Color AS (6789)
- Epoxy ESD Color 2K (6686)

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.
Suitable Remmers epoxy primers, epoxy scratch coats or epoxy mortars 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.
Install earthing elements and copper strands prior to application, based on the size and shape of the surface. Make sure that no point on the surface is more than 10 m from an earthing point or a connected copper strand.

Production of the mixture



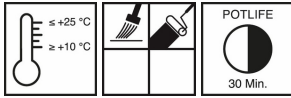
- Combi-container
Add the entire quantity of the hardener (component B) to the base compound (component A).
Mix thoroughly with a slow-speed electric mixer (approx. 300 - 400 rpm).
Pour the mixture into a separate container and mix again thoroughly.
Mix for at least 3 minutes.
Insufficient mixing is indicated by streaks forming.

Mixing ratio 83 : 17 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**
During the curing process, the applied material should be protected from moisture which could impair the surface and impair the adhesion.
Good ventilation must be ensured so that water can be released into the air.
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.
Temperature of the material, air and substrate: from min. +10 °C to max. +25 °C.
- **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.
- **Drying time (+20 °C)**
Foot traffic after 4-8 hours (depending on the humidity), mechanical loads after 24 hours, 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

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

Application rate	min. 0.15 kg/m ² binder (depending on the substrate)
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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). Slight deviations from these values may arise if the product is worked with on site. 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. Uneven application and inadequate ventilation can lead to differences in gloss level and irregular or elevated resistance to earth. Take the black colour of the transverse conducting layer into consideration when selecting the colour of the subsequent coating. 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. For the installation of systems that are subject to approval, the directions contained in the relevant approval must be observed.

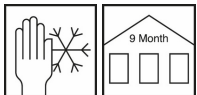
Tools / Cleaning



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.

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).

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.

VOC	
Kat.	A/j
2010:	140g/l
max.:	140g/l

Declaration of conformity



Remmers GmbH
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CE 20 / UKCA 21
GBIII 154
EN 13813:2002
6701

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.