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

Approx. 0.15 kg/m² binder (depending on the substrate)

Range of use

- Transverse conducting layer in dissipative Remmers systems
- Transverse conducting layer in the system SL Floor WHG AS (AbZ Z-59.12-303)

Property profile

- Electrically conductive
- Coating compatibility test

Characteristic data of the product

	Component A	Component B	Mixture
Density (20 °C)	1.08 g/cm³	1.15 g/cm³	1.04 g/cm³
Viscosity (25 °C)	1000 mPa s	750 mPa s	560 mPa s

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

Certificates

› **Allgemeine bauaufsichtliche Zulassung Z-59.12-303**

Additional information

› **Verarbeitungsanweisung**

Possible system products

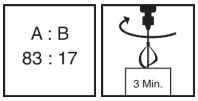
› **Epoxy WHG Color AS (1431)**
› **Epoxy AS Color (6975)**
› **PUR Uni Color AS (6789)**
› **Epoxy ESD Color 2K (6686)**

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 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. +25 °C.
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.

- **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/m² binder (depending on the substrate)

Notes

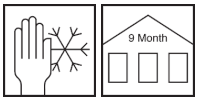
Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C). Slight deviations from these values may arise if the product is worked with on site.
Before the application of the covering layer, the correct functioning of the transverse 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. (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. 140 g/l (2010).
This product contains < 140 g/l VOC.

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

Declaration of conformity

CE UKCA

Remmers GmbH
Bernhard-Remmers-Str. 13, D – 49624 Löningen

Remmers (UK) Limited (UKCA)
1 & 2 Garden Suites, Coleshill Manor Campus, Birmingham B46 1DL (GB)

20 (CE); 21 (UKCA)
GBIII 154_2
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 0.5
Bond strength:	≥ B 1.5
Impact resistance:	≥ IR 4