



Epoxy Conductive VDE

Water-based transverse conducting layer for areas according to VDE 0100-410

Availability	
Quantity per pallet	
Size / Quantity	10 kg
Type of container	Tin bucket
Container code	11
Art. no.	
6703	■

Application rate approx. 0.13 - 0.15 kg/m² binder (depending on the substrate)

Range of use ■ Horizontal cross-conducting layer

Property profile



- Electrically conductive
- Low emissions
- Satisfies the requirements of DIN VDE 0100-410 in the Remmers systems SL FLOOR ESD 01 and SL TECH 4010
- Good adhesion properties

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.

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.
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 (A : B) 77.1 : 22.9 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 coats should be at least 12 hours and max. 48 hours.
- Drying time (+20 °C)
Foot traffic after approx. 8 hours (depending on humidity level), mechanical loading after 24 hours.

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.
As an alternative to the above application method, the material can also be applied generously and evenly to the prepared surface using a suitable 25 cm epoxy roller, rolling crosswise.

Application rate	approx. 0.13 - 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 insufficient ventilation can lead to uneven or increased earth leakage resistance. Take the black colour of the transverse conducting layer into consideration when selecting the colour of the subsequent coating.
At the earthing point and approx. 10 cm around the earthing point, the protective effect according to the VDE standard is not guaranteed. These areas must be marked accordingly and covered with a rubber mat with a resistance of > 1 MOhm.
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

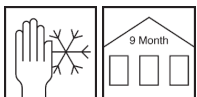
Paintbrush, rubber scraper, epoxy roller, mixing device



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.



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



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GBIII 175

EN 13813:2002

6703

Synthetic resin screed for use internally in buildings

Reaction to fire:	E _n
Release of corrosive substances:	SR
Wear resistance:	≤ AR 0.5
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.