



PUR Uni Color AS

Durable dissipative 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.		
special colours from 100 kg	6789	■	■

Application rate See application examples

Range of use ■ Electrically dissipative coating

Property profile

- Tough coating
- Electrically conductive
- 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)	1.5 g/cm ³	1.2 g/cm ³	1.4 g/cm ³
Viscosity (25 °C)	4400 mPa s	70 mPa s	1700 mPa s

■ **Once fully cured**

Reaction to fire (DIN EN 13501-1)	B _{fl} -s1** (Low Flammability)
[pk_aus_erdableitwiderstand_en_1981]	< 10 ⁸ Ω
Abrasion according to Taber test	26 mg (CS10, 1000 U, 1000 g)
Shore D after 28 days	65
Flexural tensile strength	Approx. 42 N/mm ² *
Compressive strength	Approx. 72 N/mm ² *

* Synthetic resin mortar 1 : 5 with standard sand

** 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.

Possible system products > **Epoxy Conductive (6671)**



- **Copper Tape (4551)**
- **Remmers Conduction Kit (4933)**
- **Epoxy Conductive LE (6701)**

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 substrate must be dry.

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 or Epoxy scratch coats must be used on cement substrates.

Prime interior poured asphalt surfaces (AS-IC 10 or AS-IC 15) with PUR Uni Color.

Refer to the current Technical Data Sheet for detailed information on the single products.

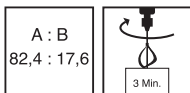
■ Substrate preparation

In the case of interior poured asphalt surfaces, take suitable measures to prepare the substrate, e.g. steel ball blasting or grinding with a diamond disc, in order to meet the requirements listed above.

Then prime and/or level out with PUR Uni Color.

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).

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)

82.4 : 17.6 by weight parts

As soon as the mixture is ready to use, apply it in full to the prepared surface and spread it using suitable tools.

Directions



■ 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.

The relative humidity must not exceed 75%.

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 time between coats min. 12 hours and max. 24 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)**

Mechanically loadable after 3 days, fully loadable after 7 days.

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

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

Application examples

■ **Coating**

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

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

Application rate	1.5 - 2.0 kg/m ²
------------------	-----------------------------

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.

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

Owing to the tendency to yellow, the possible colour deviations, and the reaction to soiling, it is highly recommended to apply a suitable coloured Remmers seal coat.

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.

Before using for the first time, we recommend thorough cleaning by way of initial two-step conductive cleaning. This will significantly improve the cleaning ability.

Maintenance measures are recommended in order to reduce the tendency to soil (see maintenance instructions).

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



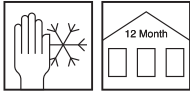
More detailed information can be found in the Remmers Tool Programme.

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 its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.



Safety data / Regulations

For professional users only!
Further information concerning safety during transport, storage and handling as well as on disposal and ecology can be found in the latest Safety Data Sheet.

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.



Declaration of performance

➤ [Declaration of performance](#)

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.