PUR Uni Color

Tough coating

Colour	Availability		
	Quantity per pallet		
	Packaging unit	**10 kg**	**25 kg**
	Type of container	Tin bucket	Tin bucket
	Container code	11	26
	Art. no.		
pebble grey	6802	■	■
silver grey	6803	■	■
light grey	6804	■	■
basalt grey	6805	■	■
dusty grey	6806		■
special colours from 10 kg	6800	■	■

Application rate

See application examples

Range of use

- Polyurethane coating in systems approved by the DIBt (German Institute for Structural Engineering) for recreation rooms (AbZ Z-156.605-1487)

Property profile

- Tough coating
- With static crack-bridging ability
- Can be subjected to mechanical loads
- Can be subjected to chemical loads
- 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/cm³	1.2 g/cm³	1.4 g/cm³
Viscosity (25 °C)	4400 mPa s	70 mPa s	1700 mPa s

■ **Once fully cured**

Shore D after 28 days	65
Crack bridging class	A 3 (> 0.5 mm)

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

Certificates

- Fire test (classification)
- General building inspectorate approval Z-156.605-1487
- Certificate for food processing industries
- Resistance (chemicals)
- Crack bridging
- Konkordanzerklärung
- Nachhaltigkeitsdatenblatt

Possible system products

- Epoxy GL 100 (1427)
- PUR Color Top M (6626)
- PUR Aqua Color Top 2K M (3682)

Preparation

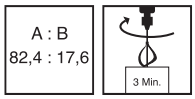
Substrate requirements

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.
Refer to the current Technical Data Sheet for detailed information on the single products.
Prime interior poured asphalt surfaces (AS-IC 10 or AS-IC 15) with PUR Uni Color.
For works within the framework of the general building inspectorate approval, the substrates must correspond to the requirements of the approval and the system products mentioned therein must be used.

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.

Production of the mixture



Multi-chamber bag

Open the outer packaging along the perforation and remove the transparent multi-chamber bag. Remove the dividing strip on the bag. Then mix the two components together by kneading the contents of the bag intensively (approx. 60 seconds).

Combi-container

Add the entire quantity of the hardener (component B) to the basic 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 parts by weight

In the case of filled systems, slowly stir the corresponding quantity of filler into the reaction resin mixture and mix thoroughly.
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**
  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)**
  Foot traffic after 16 hours, mechanical loading after 3 days, full loading capacity 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

Application	Level of filling with Selectmix 01/03	Binder application rate [kg/m²]	Mixture application rate [kg/m²]	Toothed blade	Application rate per mm layer thickness [kg/m²]
Coating < 1 mm	unfilled	0.8 - 1.0	0.8 - 1.0	No. 5	
Coating approx. 1 mm	unfilled	1.2 - 1.5	1.2 - 1.5	No. 7	1.45
Filled coating	1 : 0.3	min. 1.2	min. 1.6	No. 25	1.60
Filled coating	1 : 0.5	min. 1.5	min. 2.3	No. 46	1.70

The degree of filling is heavily dependent on the climate conditions on the building site and must be corrected upward or downward depending on temperature.
The application rates given for each toothed blade are based on experience values and can vary depending on the conditions on site.

Priming

Pour the material liberally onto the poured asphalt surface. Spread using a suitable tool, e.g. a rubber scraper, then roll using an epoxy roller.

Application rate	approx. 0.5 kg/m² binder (depending on the substrate)

Levelling layer/scratch coat

Pour the material filled up to 1 : 0.3 parts by weight onto the prepared surface and spread using a suitable trowel.

Application rate	(see table)

Coating

Pour the material onto the prepared substrate and then distribute with suitable means, e.g. a toothed trowel or toothed spreader.
The application rate depends on the substrate, temperature, required coating thickness, and optical requirements.

Application rate	(see table)

Filled coating

Pour the material filled with Selectmix 01/03 on the previously prepared surface and distribute with a suitable toothed trowel/spreader and, if needed, roll over with a spiked roller.
The degree of filling must be chosen depending on substrate, temperature and required layer thickness.

Application rate	(see table)

Notes

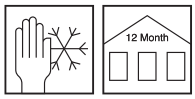
Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C) using standard colours. Slight deviations from these values may arise if the product is worked with on site.
When coating continuous surfaces, only use materials with 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.
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, rubber scraper, epoxy roller, suitable mixing apparatus

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.

Personal protective equipment

This information can be obtained from the current Safety Data Sheets and/or the relevant professional associations.

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

CE marking

CE

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

14
GBIII 074_2
EN 13813:2002
6800

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.