

Epoxy Flex PH

Pigmented, self-levelling coating

Colour	Availability		
	Quantity per pallet		
	Size / Quantity	**12 kg**	**25 kg**
	Type of container	Tin bucket	Tin bucket
	Container code	13	26
	Art. no.		
silver grey (approx. RAL 7001)	6252	■	■
light grey (approx. RAL 7035)	6253	■	■
special colours from 12 kg	6259	■	■

Application rate

See application examples

Range of use

- Coating
- Filled coating

Property profile

- 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
- Coating compatibility test
- Physiologically harmless once fully cured

Characteristic data of the product

■ **On delivery**

	Component A	Component B	Mixture
Density (20 °C)	1.6 g/cm³	1.0 g/cm³	1.5 g/cm³
Viscosity (25 °C)	2900 mPa s	100 mPa s	800 mPa s

■ **Once fully cured**

Abrasion according to Taber test	42 mg (CS10, 1000 U, 1000 g)
Shore D after 28 days	80
Flexural tensile strength	> 14 N/mm² *
Compressive strength	> 40 N/mm² *

* Epoxy resin mortar 1 : 10 with standard sand

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

Possible system products

› **Epoxy ST 100 (1160)**

Preparation

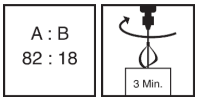
■ **Substrate requirements**

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.
A suitable Remmers epoxy primer or epoxy scratch coat must always be used.

■ **Substrate preparation**

Depending on the substrate, prime with a suitable Remmers epoxy primer and, if needed, level with a - Remmers epoxy scratch coat.
Refer to the current Technical Data Sheet for detailed information on the single products.

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 : 18 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 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. +30 °C.
After application, protect the surface for at least 48 hours from exposure to water and moisture.
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.
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)**

Mechanical loads after 3 days, full loading capacity after 7 days.

Temperature	Foot traffic after
+8 °C	55 hours
+12 °C	40 hours
+20 °C	16 hours

Setting may be accelerated by adding ACC H. The associated directions for use are available upon request.
As a general principle, higher temperatures will reduce and lower temperatures will increase the times stated.

Application examples

Application	Degree of filling with Selectmix 01/03	Appl. rate binder [kg/m²]	Appl. rate mixture [kg/m²]	Possible toothed blade	Appl. rate per mm of layer thickness [kg/m²]
Coating < 1 mm	no filling	0.8 - 1.0	0.8 - 1.0	No. 5	
Coating approx. 1 mm	no filling	1.4 - 1.6	1.4 - 1.6	No. 7	1.50
Filled coating	1 : 0.3	min. 1.2	min. 1.5	No. 25	1.60
Filled coating	1 : 0.5	min. 1.5	min. 2.3	No. 46	1.65
Filled coating	1 : 0.8	min. 1.7	min. 3.0	No. 55	1.75
Filled coating	1 : 1	min. 1.8	min. 3.6	No. 72	1.80

The stated approximate application quantities refer to smooth, level substrates.

The application rates given for each notched trowel type are based on experience values and can vary depending on the conditions on site.
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.

- **Coating**

Pour the material onto the prepared substrate and then distribute using a suitable tool, e.g. a notched trowel or notched scraper.
Subsequently roll over with a looped or a spiked roller.
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.
From experience, slightly opaque colours (e.g. yellow, red or orange, etc.) have a varnishing effect. Please consider this when choosing and assembling systems.
When coating continuous surfaces, only use materials with the same batch number as slight differences in colour, gloss and texture may occur.
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.
Epoxy resins are generally not colourfast when exposed to UV light or weather.
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



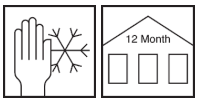
Toothed trowel, toothed squeegee, smoothing trowel, looped roller, spiked roller, suitable mixing equipment

More detailed information can be found in the Remmers Tool Programme.
Clean tools, equipment and splashed material immediately while fresh with V 101.
Take suitable protective and waste disposal measures when cleaning.

Remmers tools

- **Patentdisperser (4747)**

Storage / Shelf life



If stored unopened in the original container and kept cool, dry and protected from frost, min. 12 months (component A)/min. 24 months (component B).

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).
Personal protective equipment	This information can be obtained from the current Safety Data Sheets and/or the relevant professional associations.
Disposal	Larger product residues must be disposed of in the original packaging in accordance with the applicable regulations. Do not pour liquid coating or residues down the drain, even when cleaning tools. Must not be disposed of with household waste. Completely empty packaging must be recycled.
VOC content as per the "Decopaint" Directive (2004/42/EC) VOC Kat. A/j 2010: 500g/l max.: 500g/l	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**
Declaration of conformity	CE UKCA **Remmers GmbH (CE)** Bernhard-Remmers-Str. 13, D – 49624 Löningen **Remmers (UK) Limited (UKCA)** 1 & 2 Garden Suites, Coleshill Manor Campus, Birmingham B46 1DL (GB) 11 (CE); 21 (UKCA) GBIII 023_5 EN 13813:2002 6250 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

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.