



# Epoxy WHG Color

Chemically resistant, crack-bridging coating

Colour	Availability		
	Quantity per pallet		
	<b>Packaging unit</b>	<b>10 kg</b>	<b>25 kg</b>
	Type of container	Tin bucket	Tin bucket
	Container code	11	26
	<b>Art. no.</b>		
light grey	1425	■	■
pebble grey	1428	■	■
special colours from 100 kg	1429	■	■

**Application rate** See application examples

**Range of use**

- Chemically resistant, crack-bridging coating
- Coating in the SL Floor WHG system (GTA Z-59.12-302)

**Property profile**

- With static crack-bridging ability
- Highly resistant to chemicals
- Fire resistant
- Suitable for hand pallet trucks and forklift trucks

**Characteristic data of the product**

- **On delivery**

	Component A	Component B	Mixture
Density (20 °C)	1.72 g/cm <sup>3</sup>	1.05 g/cm <sup>3</sup>	1.55 g/cm <sup>3</sup>
Viscosity (25 °C)	4300 mPa s	480 mPa s	2100 mPa s

- **Once fully cured**

Abrasion according to Taber test	70 mg (CS10, 1000 U, 1000 g)
Shore D after 28 days	59
Flexural tensile strength	Approx. 17 N/mm <sup>2</sup> *
Compressive strength	Approx. 45 N/mm <sup>2</sup> *

\* 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.



Certificates

- General building inspectorate approval Z-59.12-302
- Certificate of compliance
- Resistance (chemicals)
- Fire test (classification)
- Anti-slip performance R12
- Anti-slip performance R11 V6
- Anti-slip performance R10

Additional information

- Processing instructions SL Floor WHG

Possible system products

- Epoxy GL 100 (1427)
- WHG TX (1221)

Preparation

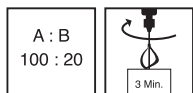
■ Substrate requirements

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/mm<sup>2</sup> on average (smallest single value min. 1.0 N/mm<sup>2</sup>), compressive strength at least 25 N/mm<sup>2</sup>. Suitable Remmers epoxy primers, epoxy scratch coats or epoxy mortars must always be used.

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

Production of the mixture



■ 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.

<b>Mixing ratio (A : B)</b>	100 : 20 parts per weight
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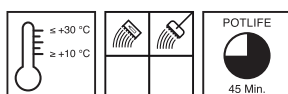
As soon as the mixture is ready to use, apply it in full to the prepared surface and spread it using suitable tools.

A spiked roller must then always be rolled over the surface.

Note: For use on vertical surfaces add approx. 2 % by mass of WHG TX.

Directions

For professional users only!



■ Conditions for use

Temperature of material, surroundings and substrate: 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. 45 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)**

Foot traffic after 16 hours, mechanical loads after 3 days and full loading capacity after 7 days.

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**

■ **Coating**

Pour the material onto the prepared substrate and then distribute with suitable means, e.g. a toothed trowel or toothed spreader.

Afterwards roll over with a (metal) spiked roller.

Application rate	min. 1.5 kg/m <sup>2</sup> binder
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■ **Base layer for blinded coatings**

Pour the unfilled material on the previously prepared surface, distribute with a suitable toothed trowel/squeegee and, if required, roll over with a spiked roller.

Fire-dried quartz sand is then broadcast liberally over the base layer while it is still fresh. Remove any loose, surplus sand after hardening.

Application rate	min. 1.0 kg/m <sup>2</sup> binder
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■ **Top sealant**

Apply the material using a rubber wiper and then roll cross-wise with a suitable epoxy roller.

Application rate	approx. 0.5 - 0.8 kg/m <sup>2</sup> binder
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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) 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.

Application of the mixture by toothed trowel/toothed spreader. If the product is applied with a smoothing trowel/screed levelling tool, trowel marks may be visible on the finished 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.



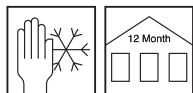
**Tools / Cleaning**



Toothed trowel, toothed spreader, spiked roller (metal), rubber squeegee, 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!  
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. (2nd edition 2009).

**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): 500 g/l (2010).  
This product contains < 500 g/l VOC.

**Declaration of performance**

> **Declaration of performance**

**CE marking**



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07  
GBIII 020\_4  
EN 13813:2002  
1428

Artificial resin screed / Artificial resin coating for use indoors

Reaction to fire:	E <sub>fl</sub>
Release of corrosive substances:	SR
Wear resistance:	≤ AR 1
Adhesive pull 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.