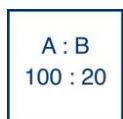


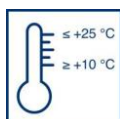
Technical Data Sheet
Art. No. 1428, 1429

Epoxy WHG Color

Chemical resistant finish in the SL Floor WHG System
(National Technical Approval Z-59.12-302 DIBt)



Mixing ratio
2-components



Working temperature



Mixing time



Flow coating/
apply standing



Pot-life



Store frost-free



Shelf-life

Range of use

Epoxy WHG Color is a crack-bridging, chemical resistant finish in the SL Floor WHG coating system for collection basins, collection rooms and surfaces made of concrete in facilities for storing, filling and refilling water hazardous liquids pursuant to National Technical Approval Z-59.12-302. Also for use as a chemical resistant coating in areas that do not require an approval.

Property profile

On concrete/reinforced concrete, this coating system is:

- Crack bridging > 0.2 mm
- Impermeable for liquids
- Highly resistant to chemicals
- Age resistant and weather stable
- Can be subjected to foot traffic and vehicle traffic
- Fire resistant

Substrate

The substrate (concrete/reinforced concrete) must meet the requirements set out in National Technical Approval Z-59.12-302, including a

Characteristic data of the product

	Comp. A	Comp. B	Mixture
Density (20 °C):	1.60 g/cm ³	1.06 g/cm ³	1.50 g/cm ³
Viscosity (25 °C):	4500 mPa·s	450 mPa·s	2000 mPa·s

limitation of crack width to ≤ 0.2 mm.

Directions

The components are packaged in the proper mixing ratio.

Add the entire quantity of the hardener component (B) to the resin component (A). Mix the material with a slow speed, electric mixer (approx. 300-400 rpm). Then pour the mixed material into another container and mix again thoroughly. Observe a minimum mixing time of 2 minutes. Streaks indicate insufficient mixing.

Scrape off lesser mixed material on the sides and bottom of the mixing container and return to the mixture.

When mixing larger quantities, use suitable mixing equipment, e.g. a Beba positive mixer/Collomix or similar. Epoxy WHG Color is

applied to the smooth surface primed with Epoxy GL 100 at the earliest after 16 hours but at the latest after 24 hours, using a smoothing trowel or a toothed trowel. After a waiting time of approx. 15 minutes, the coating must be worked through with a spiked roller.

As an option, the surface can be broadcast with suitable material to achieve a slip resistant surface.

Note: When coating vertical surfaces, add approx. 2 % by weight WHG TX to the coating before using.

Colours:

Pebble grey, approx. RAL 7032
Art. No. 1428

Special colours (>100 kg):
Art. No. 1429

System components

SL Floor WHG:

Epoxy GL 100
Epoxy WHG Color

Mixing ratio:

100 : 20 parts by weight

Notes on working

When working, use suitable protective equipment (see also Personal protective equipment).

Drying time

At 20 °C and 60 % relative humidity: Foot traffic after 16 hours, mechanical loads after 3 days, completely cured after 7 days. Correspondingly longer at lower temperatures.

The temperature of the surrounding air and the substrate should not fall below 10 °C or exceed 30 °C. Curing is accelerated at higher temperatures and delayed at lower temperatures.

The formation of condensation on surfaces to be coated, which often occurs if the temperature falls below the dew point temperature, considerably reduces adhesion.

The dew point temperature must be at least 3 °C below the temperature of the substrate to be coated (to determine the dew point temperature, relative humidity and the temperature of the air are measured with, e.g. a thermohygrometer and determined with the aid of a dew point table). If temperatures are unfavourable, heating equipment or dehumidifiers must be used.

Notes

All of the values and application rates given were determined under laboratory conditions (20 °C) with the standard shade of colour.

When worked at the building site, these values may deviate slightly.

Shades of colour that have little hiding power, e.g. yellow, red and orange, look more like a translucent coating.

Abrasive mechanical loads cause wear marks on the surface of the coating. Not suitable for vehicles with metal or polyamide tyres!

Epoxy resins are not colourfast in general when exposed to UV-light and weather.

When reordering sample colours or when several batches of material specifically produced for the customer are delivered to the same object, please always state the order number or batch number of the first delivery. Without this information, the same shade of colour from the first delivery cannot be guaranteed for subsequent deliveries.

When repairs are carried out on the surface or the material is worked up to existing surfaces, there will be a visible transition in appearance and texture.

Further notes on working and maintenance of the listed products are found in the latest Technical Data Sheets as well as in Remmers system recommendations.

Tools, cleaning

Smoothing trowel, spiked roller, positive mixer. Clean tools / equipment and any splashed material immediately while fresh with V 101 Thinner.

Personal protective equipment

Suitable nitrile gloves (e.g. Tricotril made by KCL), protective glasses, splash protection, long sleeved shirt or arm protectors.

Packaging, application rate, shelf-life

Packaging:

Tin container: 10 and 25 kg

Application rate

1.5 kg/m² per mm thick layer. Depending on application between 0.6 and 2.0 kg/m²

Shelf-life

The components can be stored in original, unmixed containers for at least 9 months, frost-free.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet and the brochure "Epoxy Resins in the Building Industry and the Environment" published by Deutsche Bauchemie e.V. (2nd edition, 2009).

GISCODE: RE 1

VOC content:

EU limit value for the product (Cat. A/j): max. 500 g/l (2010). This product contains < 500 g/l VOC

Emergency information:

Mon.- Thurs. from 7:30 a.m. to 4:00 p.m.; Fri. 7:30 a.m. to 2:00 p.m.

Product Safety Department:

Tel.: +49 (0)5432/83-138

After office hours:

Giftinformationszentrum-Nord (Poison Centre)

24 h hotline + 49(0)551 – 19240





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GBIII 020_4

EN 13813:2002

1428

Synthetic resin screed for use internally in buildings

Reaction to fire	E _{fl}
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ B1.5
Impact resistance	≥ IR4

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

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