

Technical Data Sheet



AB-ZEROPOX® 883

2-C-EP-textured topcoat



Description:

2-component epoxy topcoat, coloured
very low emission

Characteristics:

- easy to clean
- high quality finish
- anti-slip classification R10 (GMG 100)
- textured / gloss finish
- very high chemical resistance
- high abrasion resistance
- inert and harmless once cured

Application:

AB-ZEROPOX 883 is a very low emission, textured, integral and economical sealer that is used in production plants, sales areas and warehouses. **AB-ZEROPOX 883** when applied as a thin coat, will still achieve a tough, integral and textured anti-slip finish. **AB-ZEROPOX 883** is used only to coat self-levelling epoxy coating systems, and is easy to clean. **AB-ZEROPOX 883** meets the strictest criteria regarding the lowest emissions of indoor air pollutants. **AB-ZEROPOX 883** is to be applied only by trained companies.

Consumption:

approx. 0.15 - 0.2 kg/m².

Resistant to:

- water / sewage
- washing agents / detergents
- saline solutions
- wet temperature max. 40°C
- solvents (please consult us)
- diluted acids and alkalis
- lubricants and fuels
- wet temperature short-term max. 60°C

Technical Data:

Mixing ratio A : B	100 : 18 by weight (5.55 : 1)
Density (23°C)	approx. 1.56 g/cm³
Volume solids	approx. 100 %
Viscosity (23°C)	thixotropic
Shore D - hardness (DIN EN ISO 868)	approx. 80
Abrasion (1000 g / 1000 rev.) acc. to Taber	50 mg

Details for application:

Pot life (12°C / 23°C / 30°C)	approx. 40 minutes / 25 minutes / 20 minutes
Substrate temperature	minimum 12°C up to maximum 30°C
Material temperature	15°C - 25°C
Maximum relative humidity of air	at 12°C: 75 % (dew point +3°C) at > 23°C: 85 % (dew point +3°C)
Curing time / foot traffic (12°C / 23°C / 30°C)	48 hours / 24 hours / 20 hours
Curing time / mech. resistance (12°C / 23°C / 30°C)	96 hours / 72 hours / 48 hours
Curing time / chem. resistance (12°C / 23°C / 30°C)	8 days / 6 days / 5 days
All above values are approximate and may be used as a guideline for specifications	

Packaging:

10 kg - pails

Colour:

pebble grey approx. RAL 7032 (other colours are available on request)
- due to raw material variations and manufacturing techniques, a slight colour / batch difference may occur -

Storage:

12 months, unopened in original drums under dry conditions and a temperature of 15 - 25°C.
At temperatures < 10°C crystallisation is possible. Please consult us.

1. Surface preparation

The surface that is to be sealed must be in a sound condition and of good quality in general. The self-levelling coating must have sufficiently cured to accept foot traffic. The surface must be clean, dry and free of oil, fat and other contaminants.

See also "general preparation and application instructions" sheet.

2. Application

Prior to mixing, the temperature of the components must be between 15 - 25°C. Mix the components in the correct ratio using a suitable low speed electric mixer (300 - 400 rpm) for at least 3 minutes or until a completely homogeneous mixture has been achieved. Put the mixed material into a clean container and mix again for at least 1 minute more. Distribute the mixture immediately onto the surface. To spread **AB-ZEROPOX 883** as an even coat use a rubber squeegee. To attain an acceptable finish use a suitable short-haired paint-roller (nylon, 6 - 8 mm). Avoid overlapping where possible. Only the use of a paint-roller may lead to a finish that has shadows; this is normally due to an uneven thickness (WFT). Should the application for any reason be interrupted, tape the edges of the applied material. After approx. 1 hour remove the tape, you will notice that a well defined seam has been created. Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature.

3. System description

The following figures are for ambient and surface temperatures of 15 - 23°C. Both high and low temperatures will influence the filler ratio and the consumption per m².

Primer:

AB-ZEROPOX 803, clear

Consumption: approx. 0.3 - 0.5 kg/m², lightly sprinkle with clean, dry quartz sand Ø 0.4 - 0.8 mm (approx. 0.5 kg/m²).

Key coat:

AB-ZEROPOX 803 + quartz sand

Consumption: approx. 0.6 kg/m² resin plus quartz sand, lightly sprinkle with clean, dry quartz sand Ø 0.4 - 0.8 mm (approx. 0.5 kg/m²).

Self-levelling coating:

AB-ZEROPOX 843, pebble grey

Consumption: approx. 1.8 - 3.0 kg/m².

Textured topcoat:

AB-ZEROPOX 883, pebble grey

Consumption: 0.15 - max. 0.2 kg/m².

Professional maintenance will increase the service life of the flooring system.

N/B:

UV radiation cause discolouration.

4. Chemical resistance

Depending on the requirements, we recommend to test the chemical resistance.

5. Packaging

10 kg - sets

8.47 kg component A

1.53 kg component B

6. Health and safety

GISCODE: RE30

Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended. After contact with skin, wash immediately with plenty of water (eye-wash bottle from pharmacy) and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Safety Data Sheet.

7. EU Directive ("Decopaint-RL"):

Acc. to the EU Directive 2004/42/EG the maximum allowed content of VOC (Product category All / j / type SB) is 500 g/l (Limit 2010) for the ready to use product. This product is in accordance with the EU Directive 2010.

AB-ZEROPOX 883; 2.01/17.03.20. Before use, please check that this is the actual edition of the Technical Data Sheet. The information contained in this Technical Data Sheet is of a general nature and is provided in good faith and we accept no liability for errors or omissions. Because use and application of this product are out of our control and depend, concerning substrate, load and method of application, on the particularities of the individual case, our advice, verbal, written or based on tests, does not exempt the applicator from testing the suitability of the products for the intended use.

AB-Polymerchemie GmbH

Tjüchkampstraße 21 - 24

D - 26605 Aurich

Tel.: +49 (0)4941 - 604360

Fax.: +49 (0)4941 - 6043643

info@ab-polymerchemie.de

www.ab-polymerchemie.de