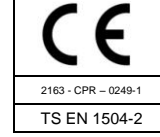




BAYCOFLOOR-EP2370

Chemical Resistant Epoxy Coating



Description:

BAYCOFLOOR-EP2370 is a two component, chemical resistant top coating epoxy resin.

Areas of application:

BAYCOFLOOR-EP2370 is used for coating cement-based surfaces especially in the waste water sector e.g.

- in sewage plants
- in waste water pipes
- in biogas installations
- welded joints in rails and points (tramway tracks)
- as a corrosion inhibitor in hydraulic steel construction

e.g. as a protective coating for sluices, harbor installations and steel sheet pile walling.

Properties/Advantages:

BAYCOFLOOR-EP2370 is

- solvent free
- thixotropic
- abrasion resistant
- elastified
- isolates stray current
- water, effluent and sea water resistant
- resistant to diluted acids and alkalis.

Technical Properties:

Basis:	2-comp. fluid epoxy resin
Viscosity:	thixotropic
Density:	~ 1,40 g/cm ³ at +23°C
Mixing ratio:	7:1 parts by weight
Pot life:	~ 50 mins. at +23°C
Application/Substrate temperature:	min. ~ +10° C, max. ~ +35° C
Min. cure temperature:	+10°C
Fully cured:	after ~ 7 days at +23° C
Overcoat after:	~ 16 hrs up to max. 24 hrs at +23° C
Shore 'D':	D/84/1 (ASTM D 2240:05)
Adhesion strength:	2,5 N/mm ² (ASTM D 4541:02)
Tensile strength:	60 N/mm ² (ASTM D 412-98a)

Abrasion resistance: 152 mg (ASTM D 4060:01)

Water absorption: approx. 0,2% to DIN 53495

*Full chemical resistance testing results available upon request.

Surface preparation:

The area to be treated must be:

- dry, firm, sound and have a good key
- free from separating and adhesion inhibiting substances such as dust, laitance, grease, oil, rubber marks, paint residues and similar
- protected from moisture penetration from the rear.

Use suitable means to prepare the substrate dependent on its condition such as e.g. sweeping, vacuuming, brushing, planing, scabbling, grit-blasting, high pressure water jetting or shot blasting.

The following criteria are to be observed dependent on the particular substrate:

Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: min. CT-C25-F4
- Render quality: PIII
- Age: min. 28 days
- Tensile adhesion strength: > 1,5 N/mm²
(render 0,8 N/mm²)
- Residual moisture: < 4%
(carbide hygrometer method)

Product preparation:

Components A (resin) and B (hardener) are delivered at a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container. Mix the components together with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed.

Stir until the mix is homogenous (free from streaks); mixing time approx. 5 minutes. The minimum temperature during mixing should be +15° C. **Do not use mixed material directly from the packaging.** Decant the material into a clean container and mix through thoroughly once again.

BAYCOFLOOR-EP2370

Method of application/consumption:

Corrosion inhibitor:

Apply BAYCOFLOOR-EP2370 by roller, brush or spray in 2-3 applications.

Consumption: approx. 400 g/m² per coat.

Rolled coating (thin coating):

Primer: BAYCOFLOOR-EP1260

Consumption: approx. 300 – 500 g/m²

Roller apply BAYCOFLOOR-EP2370 in 2-3 applications.

Consumption: approx. 400 - 500 g/m² per coat.

Work through with a de-aerator to remove trapped air.

Notes:

When working externally or when work will be interrupted, broadcast quartz sand 0,1–0,4mm or 0,2–0,7 mm diameter into the wet coat between successive coats. This guarantees a good bond between successive coats.

Thick coating:

Primer: BAYCOFLOOR-EP1260

Consumption: approx. 300 – 600 g/m²

Fill BAYCOFLOOR-EP2370 with 30% quartz sand (0,2–0,7 mm diameter) and trowel apply in one application.

Consumption: approx. 1,2 kg/m²

pure BAYCOFLOOR-EP2370 per mm thickness.

In order to avoid the formation of bubbles de-aerate the coating with a spiked roller.

Cleaning:

Thoroughly clean tools immediately after use.

Packaging:

BAYCOFLOOR-EP2370 is available in 25 kg containers. Components A and B are delivered at a predetermined mixing ratio.

Storage & Shelf Life:

18 months when stored dry and cool above +10°C in the original unopened packaging.

Important advice:

- The application temperature neither may fall below +10°C nor exceed +40°C.
- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption is also increased at lower temperatures.
- To increase pot life/working time at higher temperature store material in a cool environment above +10° C and only expose to warm temperature shortly before mixing.
- The bond between the individual coats can be heavily impeded through the influence of dampness or contamination between the applied coats.
- When longer waiting times occur between application of the coats or where surfaces already treated with liquid resin must be re-coated after a long time, the surface must be well cleaned and abraded, after which a completely new closed-pore coating should be applied. It is not sufficient simply to overcoat.
- Surface protective systems must be protected for approx. 4 – 6 hours from dampness after application (e.g. rain, melt water). Dampness produces a white discolouration and/or stickiness on the surface and can impede the cure. Discoloured and/or sticky surfaces should be taken off e.g. by abrading and renewed.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from our Technical Service Department.

Health & Safety:

Once cured BAYCOFLOOR-EP2370 is considered harmless. The hardener (B) component is corrosive. Current relevant legislation should be followed at all times when working with epoxies. For more information please consult the valid safety data sheet.