



BAYCOFLOOR-EP3380®

Two component, epoxy based, solvent free transparent, fast curing top coating

Description:

BAYCOFLOOR-EP3380 is a two component, solvent free transparent, fast curing, UV resistant top coat epoxy resin.

Areas of application:

BAYCOFLOOR-EP3380 is used as a binder for producing colors and decorative finishes with non-slip surfaces that are impervious to liquids;

- Commercial kitchens
- Sales room
- Production areas,
- Access balconies
- Passages
- Buildings

Properties:

- Solvent free
- Easy to apply
- Transparent
- Conforms to VOC guidelines.
- Low viscosity
- Resistant to UV and weather conditions
- Can be highly filled
- Resistant to mechanical load
- Watertight
- Resistant to dilute alkalis, acids, aqueous salt solutions, lubricants.

Technical Data:

Basis: two component epoxy resin
Colour: colourless
Mixing ratio: 100:24 parts by weight
Density: approx. 1,15±0,02 gr/cm³
Pot Life: ~25 min. at 23°C

Application Temperature: min approx. +10°C
max approx. +30°C

Min cure temperature: +10°C

Foot traffic after: approx. 12 hrs at
+23°C

Overcoat after: 12 hrs up to max. 24 hrs at +23°C

Fully cured: after approx. 7 days at +23°C

Packaging:

20 kg set. Component A and B are delivered at a predetermined mixing ratio.

Storage & Shelf life:

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

Substrate Preparations:

The area to be treated must be:

- Dry, firm, sound and have good key
- Free from separating adhesion inhibiting substances such as dust, laitance, grease, rubber marks, paint residues and similar.

Use suitable means to prepare the substrate dependent on its condition such as e.g. shot-blasting, planing, scabbling, brushing, sweeping, vacuuming. In addition the criteria are to be fulfilled dependent on the substrate:

- Concrete quality: min. C 20/25
- Screed quality: min. EN 13813 CT-C25-F6
- Age: min. 28 days
- Tensile adhesion: ≥1,5 N/mm²
- Residual moisture: <%4 (carbide hygrometer)
- Protected against moisture penetration from the rear



Technical Data Sheet

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 containers. Mix the components with the 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 mixing is homogenous (free

Productin of the ColorSand finish:

BAYCOFLOOR-EP3380: 1.0 part by weight

BAYCO-Decor-Quartz: approx. 1 part by weight

Place the determined quantity of BAYCO-Decor-Quartz in a large mixing container or forced paddle mixer, e.g UEZ, Zyklus or similar. Then add the prepared homogenously mixed and decanted binder. Ensure that the liquid and solid components are evenly dispersed. Mixing time is 2-3 minutes. Before application to steeply sloping surfaces it is recommended that BAYCO-FibreFiller is added. The addition rate is between 2 and 4% by weight depend on the slope.

Method of application:

Priming:

Flood apply a single coat of BAYCOFLOOR-EP3380 until all pores are sealed.

Consumption: approx. 300 – 600 gr/m²

Broadcast quartz sand of grain size: 0.2 – 0.7 mm into the primer.

Notes:

If BAYCOFLOOR-EP3380 is broadcast with quartz sand, apply two coats of primer. The second is to be applied after a minimum waiting time of 12 hours but within a further 12 hours. Broadcast the second coat with quartz sand. (grain size e.g 0.2 – 0.7 mm)
Consumption: approx. 0.8 – 1.0 kg/m²

from streaks); mixing time time approx. 3 minutes. The minimum temperature during mixing should be +15°C. Do not use mixed material directly from the packaging. Decant the material into clean container and mix thoroughly once again.

Once hardened thoroughly remove unbonded quartz sand before the application of the ColorSand finish.

Coloured sanded finish:

Fistly tip the homogenously mixed ColorSand coating onto the prepared substrate and trowel apply by hand in one application, spreading evenly and avoiding trowel marks.

Material consumption: approx. 1.6 kg/m² per mm thickness.

Sand broadcasting:

Whilst the trowelled finish is still wet, broadcast to excess with coloured sand quartz.

Consumption: approx. 3.0 – 3.5 kg/m²

Sealing the pores / sealing the finishing coat:

Once the broadcast coat has hardened, thoroughly remove excess unbonded quartz. This is followed by a "between coats" abrasion of the broad-cast surface and further clean. Once cleaned close the coloured sanded surface by sealing the with the clear lacquer.

Consumption: 350 – 750 g/m² (depended on the required degree of non-slip)

Not:

The clear lacquer must be spread immediately after tipping onto the surface. If this is not followed, then



partial dark discolouration, due to greater material consumption, will appear in areas.

Cleaning:

Thoroughly clean the tools immediately after use with cleanser.

Health and safety :

Once cured BAYCOFLOOR-EP3380 is considered harmless. Note: Code of practice for handling epoxies distributed by the building industry professional association.

Importand Advice:

- Higher temperatures shorten the pot life. Lower temperatures increas the pot life ad curing time. Material consumption is also increased at lower temperatures.
 - The bond between the individual coats can be heavily impeded thorough the influence of mouisture or contamination between successive applications.
 - The application temperature may not fall below +10°C nor exceed +40°C.
 - When longer waiting time occurs between application of the coats or where surfaces already treated with liquid resin must be re-coated after a long time, the old 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.
 - Application that are not clearly explained in this technical data sheet may only be carried out after consulation with and written confirmation from the Technical Services Departmen of AB-SCHOMBURG Construction Chemicals Co.
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