



BAYCOFLOOR-EP1261

Universal primer

Description:

BAYCOFLOOR-EP1261 is a two component, prefilled, medium viscosity, epoxy resin.

Areas of application:

BAYCOFLOOR-EP1261 is used;

- as a pore blocking primer for cement-based surfaces that will be coated with BAYCOFLOOR systems
- for sealing cement-based areas e.g. in production areas, warehouses, on ramps
- for producing levelling and scratch coats for surface preparation for coating measures
- to repair surface irregularities and to level surface
- as a primer under polyurethane and epoxy coatings.

Properties/Advantages:

- low odor
- medium viscosity, consolidating
- pore blocking
- withstands mechanical and chemical loading
- watertight
- very low „liquid water-vapour permeability“ rate (DIN EN ISO 7783-1) = 2,0 g/m² x d
- resistant to dilute alkalis, acids, aqueous salt solutions, lubricants
- tendency to yellowing.

Technical data:

Basis: two component epoxy resin
Viscosity: ~700 ± 50 mPA·s at +25°C
Mixing ratio: 20,75 : 4,25 parts by weight
Density: ~1,48 ± 0,02 g/cm³ at +23°C
Pot life: ~25 minutes at +25°C
Application temperature: min. approx. +10°C,
max. approx. +30°C
Foot traffic after: min. approx. 12 hours at +23°C
Overcoat after: approx. 12 hours up to a
max. 24 hours at +23°C
Fully cured: after approx. 7 days at +23°C
Min. cure temperature: +10°C

Packaging:

BAYCOFLOOR-EP1261 is available 25 kg containers. Components A and B are delivered in a predetermined mixing ratio.

Storage:

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

Surface preparation:

The area to be treated must be:

- dry, firm, sound and have a good grip
- free from separating and adhesion inhibiting substances such as dust, laitance, grease, oil, rubber marks, paint residues and similar.

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

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

Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CT-C25-F4
- Age: min. 28 days
- Tensile adhesion strength: 1,5 N/mm²
- Residual moisture: < 4,0%
(carbide hygrometer)
- Protected against moisture acting from the rear
- Render quality: PIIIa/PIIIb
- Tensile adhesion strength: 0,8 N/mm²

Product preparation:

Components A (resin) and B (hardener) are delivered in a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container. Mixing of the components is to be carried out 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 striations); mixing time 3 minutes. The minimum temperature during mixing

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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.

Application Notes:

When using the product ensure that it is applied by flooding evenly over the prepared substrate.

Irregularities lead to capillary active pores in the cured priming coat and promote the formation of bubbles especially osmosis bubbles. To ensure a priming coat has blocked pores apply a second coat. Pore blocking can also be ensured through the application of a second layer of a dense smoothing mortar. This smoothing mortar is produced from the priming resin with the addition of quartz sand. When adding aggregates (e.g. quartz sand) ensure that the aggregate is dry and also has a temperature of approx. +15°C.

Production of levelling / scratch coats:

BAYCOFLOOR-EP1261: 1,0 part by weight
Quartz sand: approx. 1,0 part by weight
(grade: e.g. 0,2 – 0,7 mm)

BAYCO-FibreFiller: approx. 2 – 3 % by weight

The quartz sand is mixed with the previously mixed and decanted resin and hardener components. Ensure that the liquid and solid components are evenly mixed together. Before application on vertical or steeply sloping surfaces it is recommended that with levelling/scratch coats BAYCO-FibreFiller is added. The addition rate lies between 4 – 5 % by weight dependent on the degree of slope.

Method of Application / Consumption:

Priming:

Flood apply BAYCOFLOOR-EP1261 to block pores in one coat.

Consumption: approx. 200 – 300 g/m² per coat.

Notes:

- Overcoat the primed area within 12 hours and up to a maximum of 24 hours.
- Primer that has not been broadcast with sand may only be walked on with clean overshoes.
- When a thin following coat is applied with a smooth surface at a thickness <1,0 mm then broadcasting with sand can be omitted.

- When BAYCOFLOOR-EP1261 has quartz sand broadcast into it, priming must be carried out in two coats. The second coat is to be applied after a waiting time of 12 hours minimum but within a further 12 hours. Broadcast the second layer of primer with quartz sand (grade: e.g. 0,2 – 0,7mm).

Consumption: approx. 0,8 – 1,0 kg/m²

- Do not broadcast to excess.
- Once hardened carefully remove all non-bound quartz sand before roller applied or flowing coatings, scratch coatings or screeds are applied.

Levelling / scratch coat:

Firstly prime the floor with BAYCOFLOOR-EP1261.

Consumption: approx. 200 – 300 g/m²

The mixed smoothing compound is skim applied in one coat.

Consumption of finished smoothing compound:

approx. 1,6 kg/m²/mm

Cleaning & Equipment Maintenance:

Thoroughly clean tools immediately after use.

Important Advices:

- The application temperature may not fall below +10°C nor exceed +30°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 to one another 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 along time, the surface must be well cleaned and abraded, after which a completely new pore free sealing should be undertaken. It is not sufficient to simply overcoat.
 - Protect surface protective systems from moisture (e.g.rain) for approx. 4 – 6 hours after application.
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- 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 Services Department.

Health and Safety:

- Once cured BAYCOFLOOR-EP1261 is considered harmless.
- The hardener (B) component is corrosive.
- Current relevant legislation should be followed at all times when working with epoxies, e.g. hazmat transportation, etc.
- For more information please consult MSDS.