

Poxycon

2C EPOXY WEAR LAYER AND REPAIR FOR FLOORS AND SCREEDS



- ✓ Pressure-, wear- and weather-resistant.
- ✓ Exceeds the cohesion of concrete.
- ✓ Mechanical and chemical resistant.

Technical Info

- Density of the mixture at 25 ° C: 1.10 g / cm³.
- Viscosity of the mixture at 25 ° C: 670 mPa.s.
- Compression strength of 1:10 mortar:> 50 N / mm².
- Flexural tensile strength of 1; 10 mortar:> 20 N / mm².
- Pot life at 20°C and 60% R.V .: +/- 25min.
- Processing temperature of material, substrate and environment: between + 8°C and + 30°C.
- Humidity during processing: < 80%.
- Drying times at 20 ° C and 60% RH: walkable after 1 day, mechanical load after 3 days and fully load after 7 days.
- Chemical resistance after 7 days: resists acids, alkalis, oil, grease, gasoline, solvents and salt solutions, aggressive vapors, gases and sea air and most chemical products.
- Shelf life: 12 months, keep dry, cool and frost-proof.
- Safety measures: consult the Safety Data Sheet.

Packing

| | |
|-------------------|-----------|
| Poxycon - pot 2kg | 637219000 |
| Poxycon - 10 kg | 637220000 |

Product [PCF]

Characteristics

Transparent, liquid 2-component epoxy resin for impregnating, reinforcing, priming, leveling, repairing, pouring, making encapsulation fluid-tight,.... Epoxy mortar is obtained by adding Poxycan Quartz.

Use

Substrate

- Apply to structurally strong, stable and clean substrate, free of loose particles, dust, oil, grease, rubber skid marks, etc.

Mixing

- Remove the separation strip from the bag and then vigorously knead the two components in the bag for 1 minute to mix them.
- Apply immediately.

Setting time

- At 20°C and 60% RH, approx. 25 minutes.
- At higher temperatures, the pot life is shorter, at lower temperatures it is longer.

Method

- Depending on the project, use a rubber floor squeegee, a serrated rubber floor squeegee, a notched trowel, an epoxy roller, etc.

Waiting times

- At +20°C, respect a waiting time of at least 12 hours and a maximum of 48 hours before applying a second coat.
- If you expect the waiting time to be longer, the surface should be sprinkled with Poxycolor Quartz while the coat is still wet.
- The curing time is shorter at higher temperatures and longer at lower temperatures.

Application temperature

- Poxycolor, ambient and substrate between +8°C and +30°C.

Curing time

- At 20°C and 60% RH: can be walked on after 1 day, mechanically loaded after 3 days and fully loaded after 7 days.
- This takes longer at lower temperatures.
- Protect the Poxycolor from moisture during the curing process (approx. 24 hours at +20°C).

Some applications

- Impregnate and/or strengthen Poxycolor with a maximum of 20% Poxycolor DC, diluted on the surface until saturated.
- Consumption will depend on the substrate and application: between 0.3 and 0.5 kg/m².

Primers

- Apply Poxycolor on the floor till it is saturated.
- Consumption will depend on the substrate and application: between 0.3 and 0.5 kg/m².

Coloured wear layer

- Pour half of the mixed Poxycolor into the bucket.
- Add 1 box of the selected Poxycolor Color and mix well until you obtain a homogeneous colour.
- Add the rest from the bag and mix well.

Open-pore Poxycolor mortar

- Start by applying a base coat of Poxycolor.
- Then add the Poxycolor Quartz to the well-mixed Poxycolor in the specially supplied bucket.
- Mix thoroughly (3 minutes stirring time).
- It is possible to use a slow-running mixer for that purpose.
- Mixing ratio by weight: 1 part Poxycolor and 10 parts Poxycolor Quartz.
- Apply immediately.
- Consumption per mm of coat thickness on 1 m²: approx. 0.2 kg of Poxycolor and 2.0 kg of Poxycolor Quartz.

Liquid-tight Poxycolor mortar

- Start by applying a base coat of Poxycolor.
- Then add the Poxycolor Quartz to the well-mixed Poxycolor in the specially supplied bucket.
- Mix thoroughly (3 minutes stirring time).
- It is possible to use a slow-running mixer for that purpose.
- Mixing ratio by weight: 1 part Poxycolor and 5 parts Poxycolor Quartz.
- Apply immediately.
- Consumption per mm of coat thickness on 1 m²: approx. 0.4 kg of Poxycolor and 2.0 kg of Poxycolor Quartz.

Cleaning

- Clean tools immediately after use and any fresh spills with Poxycolor DC.

Personal protective equipment

- Suitable nitrile gloves, safety goggles and face protection.

Good to know:

- Friction and mechanical load will wear the surface.
- Stains may form during impregnation due to the difference in suction force.
- Weather conditions and UV rays can affect colour stability negatively.
- The base coat must offer sufficient pore filling. A second coat of Poxycolor may therefore be required, or a thicker base coat.

