

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 Poxy 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 Poxo Quartz while the coat is still wet.
- The curing time is shorter at higher temperatures and longer at lower temperatures.

Application temperature

- Poxocon, 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 Poxocon from moisture during the curing process (approx. 24 hours at +20°C).

Some applications

- Impregnate and/or strengthen Poxocon with a maximum of 20% Poxo 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 Poxocon 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 Poxocon into the bucket.
- Add 1 box of the selected Poxo Color and mix well until you obtain a homogeneous colour.
- Add the rest from the bag and mix well.

Open-pore Poxocon mortar

- Start by applying a base coat of Poxocon.
- Then add the Poxo Quartz to the well-mixed Poxocon 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 Poxocon and 10 parts Poxo Quartz.
- Apply immediately.
- Consumption per mm of coat thickness on 1 m²: approx. 0.2 kg of Poxocon and 2.0 kg of Poxo Quartz.

Liquid-tight Poxocon mortar

- Start by applying a base coat of Poxocon.
- Then add the Poxo Quartz to the well-mixed Poxocon 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 Poxocon and 5 parts Poxo Quartz.

- Apply immediately.
- Consumption per mm of coat thickness on 1 m²: approx. 0.4 kg of Poxycan and 2.0 kg of Poxycan Quartz.

Cleaning

- Clean tools immediately after use and any fresh spills with Poxycan 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 Poxycan may therefore be required, or a thicker base coat.

