



Areas of Use

Used for installing reinforcing bars and anchoring elements, repairing and sealing concrete cracks, crack injection and sealing, all types of structural concrete repairs, and mounting and bonding metal components to concrete or steel elements. It is also used for bonding joint and chamfer tapes.

Advantages

- Solvent-free.
- Easy to use and apply.
- High mechanical strength.
- Water-impermeable.
- Excellent adhesion to concrete and steel.
- Excellent adhesion to damp surfaces (following application of Epofloor Primel NB 120).

Application

Surface Preparation

The application surface must be thoroughly cleaned of formwork oil, dust, paint and any substances that may reduce adhesion. Rust on metal surfaces must be removed and protected with an anti-corrosion coating to prevent direct contact with the mortar.

Mortar Preparation and Application

EPODOL® is supplied as two components in the appropriate proportions. Mix the two components for at least 3 minutes using a drill fitted with a mixing paddle at 400-600 rpm until a homogeneous mixture is obtained. EPODOL® may be applied using a trowel or spatula. For reinforcing-bar anchoring, thoroughly clean the drilled holes with compressed air; the hole diameter should be 6 mm larger than the reinforcement to be installed. The material can be readily applied using a mortar gun.

Mixing Ratios

Component A 3,75 kg Epoxy resin

Component B 1,25 kg Epoxy hardener

Consumption

Approx. 1,7 kg/m² for 1 mm mortar thickness.



Technical Values

Compressive Strength, N/mm ²	30 N/mm ² after 1 day, 75 N/mm ² after 7 days
Flexural Strength, N/mm ²	17 N/mm ² after 1 day, 25 N/mm ² after 7 days
Bond Strength, N/mm ²	On Concrete: 3 N/mm ² , On Steel: 3,5 N/mm ²
Chloride Ion Content	≤ 0,05%
Restrained Shrinkage/Expansion, N/mm ²	2,75
Resistance to Carbonation, mm	4
Application Thickness (mm)	2-30
Colour	Beige
Temperature Resistance	-15 °C/+90 °C
Mix Density (kg/L)	≈1,7
Pot Life (min at 20 °C)	≈40
Time to Full Strength (days)	7
Reaction to Fire Class	E

Packaging and Storage

- Supplied in 5,0 kg (A+B) metal can sets.
- Store unopened in its original packaging in a cool, dry and frost-free environment between +5 °C and +35 °C.
- Shelf life is 1 year from the date of manufacture under proper storage conditions.
- At low temperatures, an increase in material viscosity may occur. Therefore, the material should be kept at room temperature (23 ± 3 °C) for 1 day before application.



Warnings

- EPODOL® must be mixed using a suitable mixing drill.
- Do not mix by hand or with a trowel.
- The working and curing times of epoxy resin-based products depend on the material, ambient and substrate temperatures. If the ambient temperature (or product temperature) is above 25 °C, the reaction will accelerate considerably. Cool Components A and B to approximately 23 °C before application. If the product temperature is below 15 °C, the reaction will be considerably slower.
- Do not add any foreign material (water, lime, cement, gypsum, thinner, etc.) to the prepared mortar.
- Mortar that has exceeded its working time must not be reused by mixing it with water or dry mortar.
- Do not use material that has entered the curing phase (started to heat up) after mixing Components A and B.
- Once cured, EPODOL® can only be removed from the surface by mechanical means.
- Application is recommended at temperatures between +5 °C and +35 °C.

- Do not inhale directly. Avoid contact with eyes due to the irritating effects of cured materials; in case of contact, rinse thoroughly with plenty of water.
- Application areas must be adequately ventilated.
- Request the product Safety Data Sheet for further information.
- Please consult us regarding all other application conditions and technical questions.

Certificate of Conformity



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