EN

Repoc EB 410

Construction Chemicals > Repair Mortars > Epoxy-Based

It is an epoxy-based, two-component adhesion promoter used for enhancing the bond between old and new concrete.

Fields of Application

- It is used for the protection of reinforcements against corrosion before repair mortar applications.
- For bonding different materials such as concrete, stone, and metal.
- To ensure adhesion between old and new concrete.
- As an adhesive in rebar installation or anchoring and mounting of reinforcements on horizontal surfaces.

Advantages

- Provides a barrier effect against corrosion.
- Ensures excellent adhesion on damp surfaces.
- Can be easily applied both with a brush and by pouring.
- The tensile stress and adhesion strength values obtained after application are higher than the tensile strength of concrete.

1 Surface Preparation

The application surface must be clean and dry, free from all types of dust, dirt, weak and loose particles, cement slurry residues, oil, and grease. The concrete substrate must be solid and have adequate compressive strength (at least 25 N/mm^2) and tensile strength (pull-off) (at least 1.5 N/mm^2). It cannot be diluted with thinner.

2 Product Preparation and Application

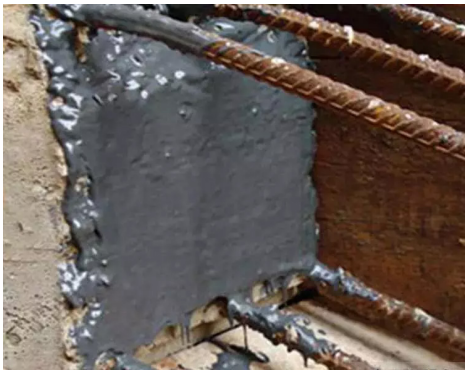
After adding Component B to Component A, it should be mixed with a low-speed electric mixer for 2-3 minutes (300 RPM) until a homogeneous color is achieved. Since the product is two-component, it is recommended to prepare only the amount needed, considering the pot life. Excess mixtures will become unusable after the pot life period has expired.

3 Packaging

Component A: 4 kg
Component B: 2 kg set

4 Application

- When mixing and applying, use rubber gloves and safety goggles to protect your skin and eyes. In case of eye contact, rinse thoroughly with plenty of water.
- Do not add any foreign substances or water to the product.
- In extremely hot weather, the product will set immediately after mixing, so only mix the amount that will be used. It should not be applied if the temperature is below +5°C.
- Keep flammable, combustible, and ignitable products away during application. Smoking is prohibited.
- Ensure continuous ventilation of the area where the application is being carried out.
- The product should be used by professional users, considering the data provided in the technical information section.





TECHNICAL DATAS

Color	Grey	-
Mixture Density	1,50 + 0,05	-
Mixing Ratio	4:1	-
Shelf Life	12 Months in unopened original packaging	-
Application Temperature	(+5 ºC) - (+35 ºC)	-
Consumption	For 1 mm thickness - 1.6 kg/m2	-
Full Strength	7 days	-
Compressive Strength (TS EN 196)	3 days: > 40N/mm²	7 days: > 60N/mm²
Bending Strength (TS EN 196)	3 days: > 20N/mm²	7 days: > 30N/mm²
Adhesion Strength	To Concrete: >3,0 N/mm²	To Steel: >3,5 N/mm²

NOTE: The technical specifications listed above are based on test results conducted at 230°C and 50% relative humidity. Values may vary under different temperature and humidity conditions.