EN

# Epo-Inject EB 536

Construction Chemicals > Waterproofing Products > Epoxy-Based Products

It is an epoxy-based, two-component, low-viscosity structural crack repair material.

## Fields of Application

- For filling and strengthening static cracks observed in reinforced concrete, stone, and solid brick structures
- In all types of engineering structures such as bridges, tunnels, and subways, as well as damaged concrete, columns, beams, walls, and similar structural elements

## Advantages

- Penetrates deeply into capillary cracks
- 100% compatible with concrete
- Easily injectable into structures due to its low viscosity
- Flowable
- UV resistant and long-lasting

## 1 Surface Preparation

The concrete surface to be applied must be cleaned of dust, oil, and construction debris, and any damaged or loose concrete particles should be removed. If there is water runoff on the surface, it should be drained or sealed with a suitable plug. Cracks that reach the surface should be widened approximately 5-10 mm in width and 10-12 mm in depth, creating an inverted cone shape along the crack.The cracks that have opened should be filled and repaired using Merks Repoc EB 456, Epoxy repair mortar.

## 2 Product Preparation and Application

Component B is added to Component A and mixed for 3-4 minutes at 300-400 RPM until ready for use. Homogeneous distribution during mixing is crucial. To ensure the epoxy resin reaches and fills the cracks in the concrete, packers are placed into holes drilled with a drill. EPO-INJECT EB 535 is injected through the nozzles of the packers using an injection pump. This process can be performed with a manual injection press or a motorized injection machine. The injection should be done from the bottom upwards, and care should be taken to prevent the injection resin from leaking out of the visible front surface of the crack.

## 3 Packaging

6,10 kg + 3,90 kg set

## 4 Shelf Life

In its unopened original packaging, it should be stored in a dry and closed environment between +10°C and +25°C for up to 12 months.

## 5 Consumption

It varies according to the field of use.

## 6 Points to Consider

- Application should not be performed at temperatures below +5°C. Epoxy-based products have a limited pot life.
- It should be noted that the pot life and curing time will be shortened at high temperatures and extended at low temperatures.
- The mixing ratios should be measured precisely.
- Contact with skin can be harmful to health.








## **TECHNICAL** DATAS

| | |
|---|---|
| Solid Substance Content | 100% |
| Hardness | **Method**: ASTM D2204, **Result**: D50-D60 |
| Application Time | 1 hour |
| Full Curing Time | 3 days |