EN

Poly-Inject PB 535

Construction Chemicals > Waterproofing Products > Polyurethane Based

Polyurethane-based, low viscosity, MDI-based, solvent-free, polyurethane injection material produced as felx and semi-flex, which expands volumetrically in contact with water and stops the flow of water.

Areas of Use

- Crack injection
- Water tanks
- Tunnels
- Underpasses
- Water channels and canals
- Dams
- Underground parking lots
- Basement floors

Advantages

- Low viscosity
- Can be used in drinking water tanks
- Easy implementation
- Up to 38 times foam formation
- Free of volatile components
- Applied with one-component machine

1 Surface Preparation

Before application, all free particles in the cracks and joints in the injection area should be cleaned. Cracks larger than 3 mm should be closed with suitable repair materials Merks Rapid Stop CB 501. The location of the pacers is determined according to the area where the leakage is coming from and the situation. The packers are placed at an angle of 45°C to the crack. The distance between the packers can be between 15 cm and 90 cm. The inside of the hole should be cleaned from dust.

2 Product Preparation and Application

Add catalyst to component A and mix thoroughly with a stirrer tip. POLY-INJECT PB 535 is injected with a single component injection pump. The application pressure varies up to 200 bar. Start with low pressure and increase the pressure until the resin starts to overflow. After the resin overflows, switch to the other package. In the injection application, the resin injected from all pacers will overflow pure resin from the leaking cracks in the reinforced concrete. After this process, the application is terminated. In POLY-INJECT PB 535 application, it is recommended to clean the pump with a suitable solvent after the injection process is completed.

3 Packaging

Flex Slim: 25 + 2.5 kg set
Semi Flex Fast Inflating: 25 + 1.25 kg set

4 Consumption Amount

Material consumption is the amount required to completely fill the cracks and gaps.

5 Points to Consider

- After the application is finished, the pacers are kept on the application surface for the first day, the process is followed, and then the outside part is cut and the surface is repaired with plug material.
- It should be taken into account that pot life and drying time will be shortened at high temperatures and extended at low temperatures
- Mixing proportions must be made to the exact extent
- May cause health hazards in contact with skin

6 Storage Life

It can be stored in a cool and dry environment (10°C- 35°C) for 6 months in its unopened original packaging. The product should be kept closed and protected from direct sunlight and frost.

TECHNICAL DATAS

Appearance	Amber
Viscosity	150 cP (23°C) ASTM 2196
Density	1.19 g/cm³ (23°C) ISO 2811
Reaction start	20 sn
End of reaction	150 sn
Inflation Rate	39 layers EN 14406
Free density	29 kg/m³ EN 14406