



BAYCOPUR-40

Two Component – Solvent Free – Elastic – Polyurethane Injection Resin

Description:

BAYCOPUR-40 is a two component, elastic, solvent free, polyurethane injection resin with very low viscosity.

Properties:

- In contact with water BAYCOPUR-40 reacts into a elastic seal with slightly foam on surface.
- In absence of water, BAYCOPUR-40 will react into an elastic seal.
- Low viscosity
- Elastic waterproofing
- Its elasticity provides sealing even in vibration/movement present areas.
- For use with either 1-component or 2-component injection pumps

Areas of Application:

- BAYCOPUR-40 is suitable for the elastic filling/bonding of cracks, joints and voids in all areas of building construction and civil engineering.
- The reaction resin grout can accommodate a wide range of conditions during injection – from dry to hydrostatic pressure applications.
- The reaction resin grout is also ideal for grouting injection systems, such as injection channels or other hose systems.

Technical Properties:

Form:	A-Comp. – liquid B-Comp. – liquid
Color:	A-Comp. –yellowish B-Comp. –brown
Viscosity (+20°C) -	A-Comp. : 130-190 mPa·S B-Comp. : 40-60mPa·S
Density (+20°C) -	A-Comp. : 1 kg/lit B-Comp. : 1,2 kg/lit

Mixing ratio	: 1:1 (by volume)
Pot Life (+20°C)	: 20-30 min. (depending on humidity)
Gel time:	10 hours at 12°C, 6 hours at 25°C
Curing time:	7 days at 12°C, 5 days at 25°C

Packaging:

BAYCOPUR-40	40 kg set
A-Comp. :	18 kg
B-Comp. :	22 kg

Product Preparation:

- Component A and Component B are supplied in the correct, ready-to-use volumetric proportions.
- The product can be applied by either two component pumps (1:1 mixing ratio by volume) or one component pump by premixing.
- For grouting with a one component injection pump, the components shall be properly blended into a homogeneous mix, a static mixer of min. 300 mm length should be used.
- The application temperature and the ambient temperature shall be between +4°C and +35°C.

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Method of Application:

- Injection holes have to be bored.
 - The boreholes have to be cleaned with oil free pressure air from the dust.
 - Place the injection packers.
 - Inject BAYCOPUR-40 with the suitable injection equipment. Vertical position: start the injection from the bottom. Horizontal position: start the injection from the left side.
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- If necessary, remove the injection packers after thorough hardening of BAYCOPUR-40 and close the boreholes with cement-based repair mortar. If necessary, level them up to the concrete surface.

Cleaning & Equipment Maintenance:

Clean pump and equipment with a suitable cleaning agent every time there is a stop of more than 15 minutes or whenever necessary and at the end of the injection.

Important Advice:

- All PU resins are moisture-sensitive, always ensure that the containers are properly sealed during storage.
- The gel and curing times are temperature-dependent.
- The reaction between the components is significantly influenced by the ambient, material, ground and groundwater temperatures.
- Do not use water or aqueous agents to clean the equipment and pumps.

Storage/Shelf life:

In dark location, from +5° C to +25° C,
12 months in original packaging

- The mixed components react to form a solid polyurethane resin mass.

Health and Safety:

- Avoid contact of BAYCOPUR-40 with the skin and eyes.
- Wear safety glasses, gloves and an overall.
- In case of contact with the eyes: wash with lots of water and seek medical attention.
- In case of contact with the skin; wash with lots of water.
- Absorb spilled resin with sand and dispose according to the local regulations.
- Mix the rests of BAYCOPUR-40 with sand and remove according the local regulations.
- Consult the MSDS-sheet.