

MONNELI BETOTHANE 130

Single Component, Semi-Flexible Polyurethane Injection Resin

Description

BETOTHANE 130 has a very low viscosity, single component MDI-based water reactive polyurethane injection resin that when in contact with water forms a semi-flexible hydrophobic seal. A carbon dioxide gas that produces a swelling pressure thus making the resin to expand into foam sealing all water penetration.

Advantages

- Penetrates even in deep fine cracks
- Does not shrink after curing
- Excellent water sealer
- The reaction speed can be controlled by varying the amount of catalyst
- Forms a hard sealing with high strength in cracks or joints
- Does not shrink, therefore volume stays the same
- Expands up to 2000%
- Excellent adhesion to concrete, bricks, metals, etc
- Chemically resistant against water, weak acids and alkali, mineral oils, fungus and bacteria, ground water, sea water and petroleum products

Uses

BETOTHANE 130 is fast reacting rigid polyurethane foam that is mainly used to act as a waterstop for the sealing of leakages or to stop active water leaks with a flow and/or high hydrostatic pressure.

BETOTHANE 130 is mainly used to water seal cracks and big gap in walls, floors, in concrete elements which are slightly liable to movements and setting. It is also used for injecting cracks that have already been sealed with polyurethane foam.

Instructions for Use

Mix the Resin (Part A) and the Catalyst (Part B) thoroughly. Inject the mixture with a single component pump (manual, electric, pneumatic) in the crack.

Because of its low viscosity property, the resin will penetrate deep into the cracks. BETOTHANE 130 polymerizes into a rigid hydrophobic foam.

Cleaning

Clean the used tools with SOLVENTE 10 every time there is a need to stop the work for more than 15 minutes and immediately after completing the job and before the product dries.

Recommendations

- BETOTHANE 130 could easily react with water or humidity in the air and forms CO₂ gas that could build up pressure in the packaging that has been opened

Technical Properties

Properties	Result
Colour	Light Brown
Free Expansion	Up to 2000%
Density Resin Catalyst	1.10 – 1.20 kg/L ~ 0.947 kg/L
Viscosity at 25°C Resin Catalyst	75 mPa's 8 mPa's
Reaction Time	65g resin + catalyst + 20g water

The information in this Technical Data Sheet is based on Colmef Monneli's experience. Colmef Monneli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monneli's Data Sheets are updates on regular basis. It is the user's responsibility to obtain the latest version.

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	% Catalyst	Start Reaction	End Reaction
10°C	2%	53"	3'36"
	6%	22"	1'22"
	9%	19"	53"
15°C	2%	37"	3'32"
	6%	16"	1'13"
	9%	12"	45"
20°C	2%	28"	2'40"
	6%	14"	54"
	9%	12"	37"
25°C	2%	28"	2'40"
	6%	14"	52"
	9%	10"	35"

All values are subject to 5-10 % tolerance

Packaging

BETOTHANE 130 is supplied in 25kg Resin (Part A) and 2.3 kg Catalyst (Part B) kits

Storage

Keep the product in dry and covered shed with a temperature between +10°C and +30°C. If stored properly, BETOTHANE 130 has a shelf life of 12 months.

Health & Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of contact in the eyes and skin, wash abundantly with warm water and consult a doctor. Ensure adequate ventilation at working place.

Absorb spilled resin of BETOTHANE 130 with sand and dispose according to the local regulations.

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