

CONJECT PUF 50

Semi-flexible Polyurethane Injection Foaming Resin

Description:

CONJECT PUF 50 is a two component, low viscosity water reactive polyurethane injection resin when in contact with water forms a semi-flexible hydrophobic seal.

CONJECT PUF 50 is applied to seal wet cracks or joints in concrete, stone and masonry. Applied in new structures and repair purposes, cured based on MDI Technology, the foam formed seals the work areas efficiently.

When CONJECT PUF 50 is injected by a single component pump and contacts with water, the reaction forms a swelling resin expanding into foam all water penetration.

Advantages:

- Low Viscosity, Penetrates even in deep fine cracks.
- Does not shrink after curing
- Excellent water sealer
- Forms a semi flexible foam closing cracks or joints when reacted with water, if not reacted with water it forms a rigid resin
- Excellent adhesion to concrete, stone and masonry
- Chemically resistant against water, weak acids and alkali, minerals oils, fungus and bacteria, ground water, sea water and petroleum products

Uses:

CONJECT PUF 50 is a fast reacting polyurethane resin that is mainly used to act as a water stop for the sealing of leakages or to stop active water leaks with a flow and/or high hydrostatic pressure.

The resin can be applied in two phases to act a foam closing the wet leakage and a resin to block the cracks or joints.

Instructions for Use:

Mix resin (Part A) and the Catalyst (Part B) thoroughly for two minutes. Inject the mixture with a single component pump (manual, electric, pneumatic) in the crack. Allow material to foam and inject again after the joint or cracks has stopped leaking to ensure closure.

Because of the low viscosity, the resin will penetrate deep into the cracks. CONJECT PUF 50 polymerizes into a semi rid hydrophobic foam.

Packaging:

CONJECT PUF 50 is supplied in duel pack equal volume Part A & Part B equivalent to 24 Liters.

TECHNICAL PROPERTIES	
Color	: Dark Brown
Free Expansion	: Up to 20 times volume
Density	
Resin (Part A)	: 1.0 1.05 Kg/L
Hardener (Part B)	: 1.2 – 1.2 Kg/L
Viscosity at 25°C	
Resin (Part A)	: 150 m Pa's
Hardener (Part B)	: 100 m Pa's
Mixing Ratio	: 1:1 by volume
Pot Life at 25°C	: Approximately 90 min, remove skin form the surface (do not mix in)
Expansion at 25°C	
Start	: Approximately 16 seconds after contact with water
End	: Approximately 70 seconds

CONJECT PUF 50

All values are subject to 5-10 % tolerance

Cleaning:

Clean the used tools with ARMOSOLVENT 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.

Storage:

Keep the product in dry and covered shed with a temperature between +10°C and +30°C. If stored properly CONJECT PUF 50 has a shelf life of 12 months.

Precautions:

CONJECT PUF 50 is sensitive to humidity, it is recommended to use the full set once opened.

Health and 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 CONJECT PUF 50 with sand and dispose according to the local regulations.

MATEX Rev.01-1219

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

