

# 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 that prevents water penetration.

### 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.

### 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, mineral oils, fungus and bacteria, ground water, sea water and petroleum products

The resin can be applied in two phases to act as 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 rigid hydrophobic foam.

TECHNICAL PROPERTIES	
Color	Dark Brown
Free Expansion	Up to 20 times volume
Density Resin (part A)	1.0 ± 0.03 kg/lit
Hardener (part B)	1.2 ± 0.03 kg/lit
Viscosity@25°C Resin (part A)	150 mPa's
Hardener (part B)	100 mPa's
Mixing Ratio	1:1 by volume
Potlife@25°C	Approximately 90 min, remove skin from the surface (do not mix skin
Expansion at 25°C Start	Approximately 16 seconds after contact with water
End	Approximately 70 seconds

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

# CONJECT PUF 50

## Standards:

- EN 1504-5

## Packaging:

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

## 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 6 months.

## 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.

## Precautions:

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

## Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

## FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to CONJECT PUF 50 Material Safety Data Sheet.

MATEX Rev.02-1221

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