

CONJECT PUR

Two Components Polyurethane Ductile Elastic Sealing Injection Resin

Description:

CONJECT PUR is a two-component polymer reactive injection resin, reacting to an elastic, waterproof membrane. It can be injected into structures with a one component pump.

The system is suitable for sealing cracks in concrete structures as well as areas suffering from water leakages. In case the crack is dry or moist, CONJECT PUR can be used directly into the crack. However, if major leakages of water are to be stopped, CONJECT 95 should be used first to stop water leakages, thereafter CONJECT PUR shall be injected which will permanently seal the surface.

Uses:

- Ductile-elastic sealing and filling of cracks, joints and cavities in building construction, underground and civil engineering under dry, water-bearing and pressurized water conditions.
- Injection of masonry against capillary moisture

Advantages:

- Low-viscosity reactive injection resin
- Low surface tension
- Good injectivity
- Forming watertight pore structure, non-foaming
- High ductility
- Permanent waterproofness

Instructions for Use:

Preparation:

Prior to injection, an examination of the structure to be injected must be carried out according to the state of the art and engineering rules, and an injection concept must be defined.

Mixing:

CONJECT PUR consists of two reactive components A and B. Prior to processing the components are to be mixed intensively.

Injection:

Injection is carried out with the injection pump.

Although CONJECT PUR is a two-component system, it can also be used as a one component injection system being a long pot life system.

CONJECT PUR as a one component system:

1. Add the required amount of component A to the B component.
2. Mix thoroughly until a homogeneous mixture has been obtained, which will be the case after about 2 minutes.
3. The mix can be pumped by means of a single component injection pump. Keep in mind that gel time of the system is 60 minutes at 20°C.

After the injection, the pump should be cleaned with ARMOSOLVENT:

- To prevent condensation on the liquids at the start of work, the temperature of the components should be at least as high as the ambient temperature.
- All opened drums should be purged with dry nitrogen and capped when not in use. It is preferred to use an opened can as soon as possible.

In the absence of water, CONJECT PUR does not expand and continues to penetrate into the cracks.

Packaging:

Standard Packing: 10 Ltr.

CONJECT PUR

Standards:

- EN 1504-5, 2811-1, 3219, 12618-1
- ISO 2811-1, EN ISO 3219, EN 12618-2, EN 12618-1

TECHNICAL PROPERTIES	
Mix Ratio	1:1 by volume
Density	
Component A	approx.: 0.94 kg/dm ³
Component B	approx.: 1.15 kg/dm ³
Mixture	approx.: 0.98 kg/dm ³
Viscosity	approx.: 100 mPas
Application Time	approx.: 60 minutes
Reaction Time	100 minutes
Application Temperature	5 - 40°C
Tensile Strength	1.5 N/mm ²

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:

Can be stored in original sealed packages at temperature between +5°C and +30 °C in dry conditions for 12 months the same requirements are valid for transport.

Remarks:

CONJECT PUR 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 vapor 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 PUR Material Safety Data Sheet.

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