

PyuFitt Elastic LV

Two Component, Solvent Free, Low Viscosity (LV)
Hydrophobic Polyurethane Injection

Product Description

Double component, solvent free, low viscosity (LV) polyurethane injection system for the elastic sealing of cracks in concrete structures. Can be injected with a one-component pump. PyuFitt Elastic LV is a two component polyurethane system, consisting of a resin component and a special type of isocyanate (MDI based).

Uses

PyuFitt Elastic LV is used to permanently seal dry or wet cracks or joints in concrete, stone and masonry. This system is used in construction and civil engineering both for new structures or repair purposes. This materials is used in low movement cracks / Construction joints in Terrace and Podiums, Toilets, RCC slabs, P T Slabs etc..

Advantages

This system is ideally suitable for the elastic sealing of cracks in concrete structures as well as areas suffering from water leakage problems. The use of PyuFitt Elastic LV is depending on the amount of water expected. In case the crack is dry or moist PyuFitt Elastic LV can be used directly into the crack. If aggressive leakage of water has to be stopped, the system could be used in combination with the PyuFitt HF-50 / PyuFitt HF-100 . First stop the water injecting PyuFitt HF-50 / PyuFitt HF-100 and later injection of PyuFitt Elastic LV can be carried out.

Technical Properties

Property	Unit	Value
Tensile strength (ASTM D 638)	N/mm ²	2.0 - 2.5
Elongation at break (ASTM D 638)	%	60 - 80
Shore "A" hardness (ASTM D 2240)	N/mm ²	55- 60
Mix Viscosity	mPa.s	180
Density comp. A	g/cm ³	1.02
Density comp. B	g/cm ³	1.2
Solid Content		100%
Gel Time	mnt	30-35 @ 30°C
Colour	Part A Part B	Translucent Dark Brown

Note: All the technical values are in standard laboratory conditions.
Value may vary in site and atmospheric condition.

Application Instructions

Although PyuFitt Elastic LV is a Two component system, it can be used as a Single component system with a single component pump .

Step 1: Add the required amount of component A to the B component.

Step 2: Mix thoroughly until a homogeneous mixture has been obtained, which will be the case after about 2 minutes.

Step 3: The mix can be pumped by means of a single component injection pump. Keep in mind that the processing time of the system is about 30-40 minutes at 30°C.

- After the injection the pump and the ancillaries should be cleaned with xylene.

- 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.

- Pumps should be cleaned with xylene, a cleaning product specially developed for the cleaning of polyurethane injection pumps.

- Mixing ratio: 1:1 (100 parts by volume of component A, 100 parts by volume of component B)

Storage

To avoid problems, it is very important to understand that these materials are both temperature and moisture sensitive. Therefore, materials should be stored in an area with temperatures not exceeding 30°C or not lower than 10°C. The maximum shelf life time is one year. All partially used drums should be covered with nitrogen and re-sealed to prevent the ingress of moisture

Package

Sets of 10 kg (Component A: 5 kg, Component B: 5 kg)
Sets of 20 kg (Component A: 10 kg, Component B: 10 kg)

Health & Safety

Do not breathe dust/fume/gas/mist/vapours/spray.

In case of inadequate ventilation wear respiratory protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin or hair: Take off immediately all contaminated clothing. Rinse skin with water/shower.

Important: PyuFitt India Pvt. Ltd., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, **PyuFitt India** does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.

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