

PyuFitt HF50

1-K, Solvent Free, Polyurethane Hydrophobic Injection System

Product Description

Single component, solvent free, polyurethane injection system ideally suitable for crack injections, water leakages, void filling in and beyond concrete and masonry structures. Reaction with water yields a semi-flexible closed cell polyurethane foam. To be injected with a Single-component pump.

Uses

PyuFitt HF50 is a high-efficient Single-component system for sealing water leakages with high water flows. The product can be used to fill voids in concrete, cavities in rocks and anchoring in gravel.

Properties

Reaction with water yields a semi-flexible polyurethane foam. The formation of CO₂ makes the resin penetrate very well into the cracks. The cured product neither shrinks nor swells.

A good compression strength is obtained in a very short time. Foam expansion: > 3000%.

Note: Foam expansion depends on water force reaction with catalyst.
Higher water force higher the foam expansion

Technical Properties

Physical characteristics of the uncured polyurethane prepolymer

Subject	Value
Solid Content	100%
Density	1.12 g/ml
Viscosity	100-200 mPa.s
Solubility in water	Hydrophobic
Induction Time (25°C)	15 Sec. (2:1 Resin : Water)
Flash point	> 180 °C
Colour	Dark Brown
Appearance	Light Yellow PU Form

Application Instructions

PyuFitt HF50 is very hydrophobic and packed under dry atmosphere. Use opened containers as soon as possible or recap under dry nitrogen.

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

Package

10kg metal drum

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 is 2 years. All partly used drums should be covered by nitrogen and resealed to prevent the ingress of moisture.

Health & Safety

In the event of spillage and accidents, please refer to product Material Safety Data Sheet or contact us for further Clarifications.

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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