

ShaliGrout[®] PU F

Polyurethane Based Non-ionic Grout



STP Limited

Description

ShaliGrout[®] PU F is a versatile non-ionic sealant in concrete structures. No catalyst is required for initializing the curing process.

Technical Characteristics at 25°C and 50% RH

Parameters	Specifications
Appearance	Pale yellow to yellow viscous liquid
Density, gm / cc	1.06 - 1.10
Coagulation point, °C	< 0
Odour	Faint and characteristic
Viscosity, cPs	500 - 1300
Flash point, °C	55

Field of Application

- Stoppage of heavy water flow into structures.
- Stoppage of water oozing from ground, dams and banks.
- Stoppage of Leaks from large and small caliber sewer pipes, concrete crack and expansion joints.
- Stoppage of Leaks into building structures, tunnel through shield lining.
- Serves as sealant in concrete structures, cracks & joints.

Advantages

- It reacts with saline & mineral water, regardless of temperature.
- Short gel time produces highly tough and resilient gel.
- It forms a strong and elastic gel which is chemically stable and non-degradable. This ensures stoppage of water.
- It possesses excellent adhesiveness to applied materials.
- Even smallest cracks and pores can be impregnated due to surface-active property and volume increase during reaction.

Application Methodology

ShaliGrout[®] PU F and water are prepared separately in different tanks and are pumped out in the prescribed ratio (5 - 50 : 95 - 50 respectively) through two hoses whose ends are connected to "Y" or "T" shape pipe to join two flows together into one injection pipe. **ShaliGrout[®] PU F** as such or more than 50% concentrated solution should not be injected as swelling occurs which may damage the construction.

Precautions

- Do not inject neat **ShaliGrout[®] PU F** or a solution containing more than 50% by weight of **ShaliGrout[®] PU F** as localized high pressure may develop because of excessive foaming and swelling and may damage / destroy the construction.
- Precaution is required lest the injected **ShaliGrout[®] PU F** liquid should flow into river or other natural environment.
- The use of **ShaliGrout[®] PU F** should be limited to stopping seepage / flow of water during construction. It should not be used for any other application like stabling like stabilizing or reinforcing soil.

Cleaning & Maintenance

Clean tools and equipment with STP recommended cleaning agents immediately after use and before the resin sets. Once the resin is set, it can only be removed by mechanical means.

Health & Safety

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.

- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 kg bucket.

Storage

Store in cool dry place, under the shed, away from heat, water. Once a pack has been opened, use immediately.

Shelf Life

6 months in original unopened sealed conditions when stored between 5°C - 35°C.



STP Limited
Enhancing Structures' Life

Product Range

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- Sealants and Additives ■ Pipeline Coating
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