

Estof foam PU

One Part Polyurethane Foam Grout

Description

Concrete often cracks. It is inevitably recognized and experienced. Concrete construction requires joints. These joints cause very serious problems of water leakage.

Estof foam PU is able to stop water leakage permanently and it is non toxic when cured.

Uses

Estof foam PU is suitable and widely been used to seal water leakage, it is recommended for leakages at:-

- Floor slabs
- Suspended floors
- Terraces and balconies
- Patios
- Bathrooms
- RC gutter and planter boxes
- Swimming pools
- Water tanks
- Basements and fountains
- Retaining walls

Advantages

- Negative side application possible
- Deep penetration into very small cracks
- Foam increases in volume to fill cavities and voids
- Adjustable gel times
- Excellent bond to wet surfaces
- Underwater injection approved
- Good elastic strength, tolerant of movement inert after curing, constant volume, no shrinkage
- Does not create new cracks
- Non-toxic

Standards Compliance

- **ASTM D412-98**

Physical Properties

Foam	Single part liquid
Colour	Dark brown
Solubility in water	Hydrophobic
Max. Expansion,%	3000
Induction Time at 20°C	30 sec
Elongation at break, % ASTM D412-98	> 20
Gel Time at 20°C	40 sec
Unconfined Compressive Strength (Sand Filled)	2000 Psi
Corrosiveness	Non-Corrosive
Chemical Resistance	Resistant to more organic solvent, mild acids, alkali and other.

Application Instructions

Preparation

Sometimes the concrete surface is hidden under a surface of mineral deposits left from long-term water leakage.

Drilling Injection Holes

In order to inject the resin into the crack, it is necessary to install injection ports, also called mechanical packers.

The depth of the drill hole should be somewhere close to the centre of structure, if possible.

Inserts Injection Packers

Place packers in the previously drilled hole, so that the top of the rubber sleeve is below the concrete surface. If the packer can't be pushed into the hole, tap it in tighten the packer with a wrench as tight as necessary.

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Flush Crack If Necessary

In some circumstances, it can be very useful to flush the crack with water to improve the subsequent penetration of the Estof foam PU injection resin into thicker walls.

Crack Injection

Choose the proper resin for the correct application. The nature of the crack / joint and the conditions at job site determine the choice of material. Active water flow at a high rate is best stopped by using **Estof foam PU**.

The packers can be removed within 1 hour.

Cleaning

Tools and equipment just can be clean with thinner immediately after use.

Packing & Size

Estof foam PU	20 kg pail
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Technical Support

Estop offers a technical support package to specifiers, end-users and contractors, as well as on site technical assistance.

Storage

Estof foam PU should be stored on pallets in dry cool conditions. Under these conditions the product will have a shelf life of 12 months.

If stored in extreme heat locations the shelf life may be reduced.

Precaution

Impervious gloves and barrier should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.