

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
- 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

Physical Properties

Colour	Dark brown
Density, kg/L	1.20 – 1.30
Reaction Time at 25°C, sec (in contact with water)	30 - 90
Application Temperature, °C	6 - 35
Max. Expansion, %	3000
Elongation in cured form, %	> 20
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.

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	10 kg pail
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Technical Support

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

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Storage

Estofam PU should be stored on pallets in dry cool conditions. Under these conditions the product will have a shelf life of 6 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.

Additional Information

Denka Construction Solutions Malaysia Sdn Bhd offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.



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