

Estof foam PU Super

One Component Flexible Polyurethane Foam

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 Super is one component flexible foam. It reacts with water to foam closed cell-type foam.

Uses

Estof foam PU Super is suitable and widely been used to seal water leakage, it is recommended for leakages at all kind of concrete construction and leakage at:-

- Apartment basement parking lots
- Filtration plants
- Storage tank
- Final sewage disposal plant
- Wall picks
- Cracks of roof to roof
- Pipeline connection parts
- Surface of the infrastructure mixed with wet and dry parts.

Advantages

- Flexible and durable after cured.
- Deep penetration into very small cracks
- Foam increases in volume to fill cavities and voids
- Excellent bond to wet surfaces
- Suitable for wet and dry conditions
- Good elastic strength, tolerant of movement inert after curing, constant volume, no shrinkage
- Non-toxic

Physical Properties

Colour	Dark Brown Transparent liquid
Reaction Time at 23 ± 2°C, sec (in contact with water)	180
Viscosity @ 25°C, mpa.s	400 - 600
Specific Gravity @ 25°C	1.08
Expansion rate	1100
Elongation Ratio, %	200 - 300

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 Super** 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 Super**.

The packers can be removed within 1 hour.

Cleaning

Tools and equipment just can be clean with thinner, Acetone, or Urethane immediately after use.

Packing & Size

Estof foam PU Super	10 kg pail
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Technical Support

Denka Construction Solution Malaysia 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 Super should be stored at temperature 15°C - 38°C on pallets in dry cool conditions. Under these conditions the product will have a shelf life of 6 months from date of manufacturing.

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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