

TROSEAL PU 450 GROUT

Hydrophilic Single Component PU Grout

Description

Troseal 450 Polyurethane Grout a single component hydrophilic polyurethane. Upon water exposure, it reacted chemically to form an elastic colloidal concretion, which fills with gaps immediately so as to achieve a good purpose of sealing water. It will expanded up to 20 times into flexible foam.

It provides good adhesion on wet concrete surface. Due to its hydrophilic ability, it can incorporate large amounts of water into its structure. **Troseal 450** also act as an second pass with **Troseal 350** for long lasting and permanent result.

Hydrophilic chemical grout likes water and is able to bond to wet surfaces tenaciously; water-scavenging agents that seek out water as they react and allow the resin to work its way into water filled pores that exist in wet concrete surfaces.

Troseal 450 Hydrophilic grout is Europe upgraded new technology formula in jelly resin chemicals, particularly design for Concrete slabs CJ / movement joints, flexible and resilient after full cure and will allow movement to occur in the structure without damaging the seal or bond. Immediately stop water penetrate and permanent stay to solution of water leakage problems.



Advantages

- Fast reaction and high expansion up to 600% foaming capacity when against with water
- Excellent adhesion to most surfaces
- Non toxic after formed
- Good flexibility, no shrinkage, and high adhesive strength, and strong adaptability to water quality
- High resilient flexible seal that allows movement to crack or joint
- User friendly: 1-component material
- Potable Water approved

Area of Application

- CBP Wall / SBP Wall
- Block water leakage in Diaphragm Wall
- Segment / Basement
- Skin Wall / RC Slab
- CJ Joint / Expansion Joint
- Water Tank

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Properties

S/N	Test Method	Unit	Result
1	Appearance	Uniform liquid, no impurity and delamination	Uniform liquid, no impurity and delamination
2	Density	g/cm ³	1.072
3	Viscosity	MPa.s	5.1 X 10 ²
4	Compression Strength	MPa	<120
5	Foaming Capacity	%	>600

Safety Cautions



Put on a pair of safety goggles and gloves during use



If the material comes into contact with eyes, body etc., Immediately rise with thoroughly with soap and water



If discomfort persist, consult a physician immediately

Important



Keep containers sealed, closed when not in used



Always keep it away from the reach of children



Store in room temperature around 15 -35 degrees Celcius



Shelf life is around 1 year when unopen