



Epoxy.com Product #420

Hydrophilic Sealing and Grouting Polymer

DESCRIPTION

Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is a one component, ACETONE FREE, MDI cross-linked, hydrophilic sealing and grouting polymer. The liquid resin reacts rapidly in the presence of water or moisture. Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer reacts with water and expands to form an impermeable HYDROPHOBIC barrier. When reacted and hardened, Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is insoluble to water and other aggressive chemicals.

ADVANTAGES

Contrary to all construction material where surfaces must be dry, Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is applied to a moist or wet environment, or pumped into water with a piston pump. Water is part of the chemical reaction of Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer. Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer produces an excellent bond to any and all construction materials by chemical linking. It is resistant to many chemicals present, and it produces a flexible seal.

PHYSICAL PROPERTIES

Color	Amber
Viscosity	1,100 ± 100 cps
Flash Point ASTM D 93	Greater than 220°F
Tensile Strength ASTM D-3574-91	125 p.s.i ± 10
Elongation ASTM D-3574-91	400% ± 50
Shrinkage ASTM D-1042	0%
Corrosiveness	Non-Corrosive
Toxicity	Non-Toxic
Reaction Time	<10 seconds @ 70°F

PACKAGING

Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is available 5 gallon pails closed head with 2 inch barrel flange plastic plug

HOW TO USE

Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is used in many ways to stop water leakage.

- ✚ Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is used to pressure inject in cracks or hairline cracks, the same way as low viscosity epoxy resins are used. Cracks should be wet, not dry. In case cracks are dry, moisten with water.

- ✦ In expansion joints that are sealed with polysulfide, polyurethane silicone, or any other elastic sealant, the Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is injected with a syringe or any other injection equipment behind the sealant to produce a waterproof elastic joint.
- ✦ In concrete or steel liners, such as in tunnels or foundations, holes are drilled, one way valves installed, and Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer is pumped in. Once in contact with water, a chemical reaction takes place, and it sets within 3 to 5 minutes.
- ✦ In sewer line joints or any large size joints, to produce the best economy cost per linear foot, any absorptive material such as rope, jute, oakum, is saturated with Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer. Excess material is removed by holding the saturated jute between the index finger and the thumb, removing the excess. Compact saturated material with putty knife, wood stick, or any suitable method. Pour water on top of it and place next layer until joint is 1/4" +/- below joint surface.
- ✦ In areas of water seepage, such as cinder blocks or porous masonry surfaces, Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer **Cement Base Grout** and pouring sufficient Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer liquid Sealing and **Grouting Compound** in the Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer **Cement Base Grout mix. Mix material as** conventional mortar and apply by trowel to wet wall. Grout coming in contact with water will set fast, grout in contact with trowel will set slower, permitting ample time for finishing.
- ✦ In porous areas, such as cinder blocks or masonry, where finish is of no concern, Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer can be sprayed on from a bottle type spray, Hudson Pump, or any other spray method to stop seepage.
- ✦ To place nipples in holes, to get a fast set and good bond, use Epoxy.com Product #420 Hydrophilic Sealing and Grouting Polymer mixed with a few ounces of water, then add **Epoxy.com Product #420 liquid Sealing and Grouting Compound** to produce a fast set

CAUTION:

Contains Polymeric Isocyanates. Avoid breathing vapors. Keep container closed. Use only in well ventilated areas. Wear rubber gloves, safety glasses and protective clothing. Use NIOSH approved respirator in confined area. See MSDS for further safety precautions. First Aid; In case of contact with skin or eyes, wash with large amounts of water. If allergic reaction occurs discontinue exposure. Consult a physician.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

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