

InjectProECO-SEAL

Low viscosity hydrophilic polyurethane grout

No harmful phthalates

CSI Div. 03

03 64 00 Injection Grouting



Product Description:

InjectProECO-SEAL is a water activated, flexible, hydrophilic polyurethane injection grout with high tensile and bonding strengths. InjectProECO-SEAL is designed for sealing leaking cracks or joints in below grade concrete structures with continuous moisture exposure. InjectProECO grouts are all environmentally friendly and formulated without harmful phthalates or VOC's.

Typical Applications:

Any concrete structure with water leaks such as water retaining structures, waste water treatment plants and manholes, concrete dams, tunnels, elevator pits and underground vaults.

Advantages:

- Zero VOC's - meets LEED criteria
- 100% solids, non-flammable, non-toxic permanent seal
- Does not contain TDI or solvent
- Hydrophilic - seeks water in cracks
- Pumped as a single component
- Can expand more than 25 times initial volume
- Excellent adhesion, resistance and durability
- Non-hazardous shipping

Reaction Time:

When mixed with water at a 1:1 ratio the typical initial reaction time is 20 seconds, with final reaction at approx. 3 minutes.

Installation Procedures:

Refer to the Aquafin InjectPro Grouting Guideline for full instructions. InjectProECO-SEAL can be pumped as a single component product, or as a dual component system with water. During injection, the grout will follow the path of least resistance. When the material has stopped penetrating it will continue to expand against the confines of the crack/joint and compress within itself, forming a very dense, closed cell material stopping the leak.

Packaging:

InjectProECO-SEAL Resin: 5 gallon pails and 50 gallon drums

Storage & Shelf Life:

Shelf life is two years when stored properly. Product is highly moisture sensitive. Store in original sealed containers at temperature between 40°F - 90°F. Opened containers must be handled properly to prevent moisture contamination.

Physical Properties	
Liquid (un-cured)	InjectProECO-SEAL Resin
Color	pale amber
Viscosity (ASTM D-1638)	approx. 300 cps
Density (ASTM D-46590)	approx. 70 lbs/ft ³
Flash Point (ASTM D-92)	225°F

Solid (cured) InjectPro-SEAL	
Curing Time (1:1 water mix)	approx. 20 sec. Initial Reaction approx. 3 min. Final Reaction
Expansion Rate	400%
Free Foam Density (ASTM D-3574)	4.3 lbs/ft ³
Confined Density (ASTM D-3574)	132 lbs/ft ³
Flash Point	>300°F

Limitations:

- Temperature significantly affects viscosity. Protect material from excessive heating and cooling prior to grouting to avoid affecting viscosity.
- If using water baths to cool or heat pails avoid splashes to prevent water coming in direct contact with resin - this will activate the reaction. Do not warm above 90°F.
- Do not reseal containers of contaminated materials as it can create pressure.
- Clean up spills with adequate ventilation and appropriate personal protective equipment. Cover the spill area with absorbent material such as clay or vermiculite and transfer to metal waste containers. Wash area with decontamination solution (5-10% solution of sodium carbonate). Dispose of waste in accordance with federal, state and local regulations.

Note:

Proper application is the responsibility of the user. Field visits by AQUAFIN personnel are for the purpose of making technical recommendations and not for supervising or providing quality control on-site.

Safety:

Refer to SDS. For commercial use only. Avoid contact with skin and eyes. Wear rubber gloves and safety goggles during mixing and application. After contact with skin, wash with plenty of water. In case of eye contact, rinse immediately with plenty of water for 15 minutes and seek medical advice. KEEP OUT OF REACH OF CHILDREN.

InjectProECO-SEAL

LIMITED WARRANTY: AQUAFIN, INC. warrants this product for a period of one year from the date of installation to be manufactured free of defects and to be consistent with its technical properties as stated in our current Technical Data Sheet. This product must be used as directed and within its stated shelf life. AQUAFIN INC. will replace or at our discretion refund the purchase price of any product, excluding cost of labor, which is proven to be defective. Our product recommendations are based on industry standards and testing procedures. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. We assume no warranties written, expressed or implied as to any specific methods of application or use of the product. AQUAFIN INC. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. AQUAFIN, INC. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

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