

AQUAFIN® EPOXY-Baseplate Grout

100% solids, moisture tolerant, epoxy baseplate grouting system

CSI Div. 03

03 63 00 Epoxy Grouting

Product Description:

AQUAFIN EPOXY-Baseplate Grout is a 3-component, 100% solids, moisture tolerant, epoxy baseplate grouting system.

Typical Applications:

- As a precision baseplate grouting system
- Joint nosings
- Anchoring
- Grouting under equipment, including heavy impact and vibratory machinery, pumps, etc.
- Precision grouting of wind turbine tower bases requiring rapid strength gain

Advantages:

- Easy mixing – pre-packaged kit
- Non - Shrink
- VOC compliant (solvent free)
- Vibration Resistant
- Fast cure with high early strength gain
- Corrosion and impact resistant
- Long working time
- Low peak exothermic system for large pours
- Excellent flowability
- Adjustable flow to meet various onsite conditions

Surface Preparation:

Concrete substrate and baseplate surface area must be clean, sound and free of standing water. Remove laitance, curing compounds and all foreign substances from concrete that could interfere with adhesion. Concrete should be prepared by mechanical means. Metal surfaces should be sandblasted to white metal finish for maximum adhesion. Install grout immediately to prevent re-oxidizing of metal surface.

Mixing:

Pour the entire contents of component A and component B into a clean mixing container. Mix A and B components in packaged ratio for 2 - 4 minutes, until uniform and streak free. (Surfaces can be primed with neat resin for optimum adhesion. Slowly add entire contents of pre-packaged aggregate and continue mixing an additional 3 - 5 minutes.

Application:

Pour mixed grout into the prepared head-box or forms from one side only to eliminate trapped air. Baseplates should be vented to prevent buildup of air pockets. Maintain flow to other side of plate to ensure complete contact with the underside of the base plate.

Place sufficient amount of epoxy grout in the forms to rise slightly above the underside of baseplate.

Typical Cured Resin Data	"NEAT"
Compressive Strength ASTM D-695	13,500 psi
Compressive Modulus ASTM D-695	320,000 psi
Tensile Strength ASTM D-638	7,500 psi
Elongation, % ASTM D-638	8
Flexural Strength ASTM D-638	7,600 psi
Flexural Modulus, ASTM D-638	400,000 psi
Typical Cured Resin Data	Mixed with Aggregate
Compressive Strength ASTM D-695	13,000 psi
Tensile Strength, ASTM C-307	2,000 psi
Flexural Strength, ASTM C-293	2,500 psi

Clean Up:

Ventilate area. Confine spills. Dispose of in compliance with current, applicable local, state and federal regulations. Uncured material can be removed with approved solvent. Cured/hardened material can only be removed by mechanical means.

Packaging:

0.5 cubic feet or 2.85 cubic feet kits

Storage & Shelf Life:

12 months when stored properly.

Limitations:

- Minimum substrate and ambient temperature 40°F (4°C)
- Do not thin with solvent as this will prevent proper cure.
- Maximum Depth is 4 inches per lift.
- Component "C" must be kept dry at all times.
- Colder temperatures will require churning or pushing during placement as cold temperatures will thicken material.
- Do not reduce size of kit. Mix complete unit at all times.

Note:

Installer is responsible for proper product application. Site visits by Aquafin personnel or representatives are solely for the purpose of making technical recommendations, not for providing supervision or quality control.

Safety:

Refer to SDS. This product contains portland cement and sand (crystalline silica) and is highly alkaline (irritant) in contact with water. Avoid breathing dust. May cause delayed lung injury (silicosis). Use rubber gloves and goggles during mixing and application. Protect skin and eyes.

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After contact with skin, wash with plenty of water. In case of eye contact, rinse immediately with plenty of cool water and seek medical advice.

KEEP OUT OF REACH OF CHILDREN.

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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