Product Data

LIQUID FLOW EPOXY GROUT

Stratarock®
Layers of Protection for Industrial Equipment

Liquid Flow Epoxy Grout is a high strength, fast setting epoxy material used for grouting, regrouting and anchoring equipment, and designed for maximum flowability. **Liquid Flow Epoxy** features an extremely low viscosity for superior flow, leveling and air release. Strong vibration and impact resistance plus superior chemical resistance to most industrial chemicals make this grout a superior choice for applications covering long distances or tight clearances.

Features

- Maximum flowability allows for grouting overlong distances and in minimal clearances
- Low odor formulation
- High resistance to impact and vibration
- Minimal shrinkage
- Excellent chemical resistance
- Self-leveling
- Moisture insensitive
- Quick and easy installation with superior flow

Applications

Liquid Flow Epoxy Grout is designed for grouting, re-grouting and anchoring sensitive or heavy equipment that may be exposed to impact, vibration, torque load, or other stresses. Superior flow rates and self-leveling qualities make this material perfect for use under machine bases and sole plates or for anchoring bolts.

Applications include:

- Equipment bases
- Tower and turbine bases
- Equipment or bar anchoring
- Precision aligned equipment
- Rebuilding equipment foundations
- Heavy vibration applications
- Crane rails
- Applications with chemical exposure

Use when clearances are up to 1/2 inch. With a 1/4 to 1/2 clearance, expect flows of about 4 feet with a 3 inch head.

Physical & Chemical Characteristics

Compressive Strength (ASTM C-579)	24 Hours: 9,000 psi Full Cure: 13,000 psi
Compressive Modulus (ASTM D-695-77)	3.4×10^5 psi
Tensile Strength (ASTM D-638-77a)	5,400 psi
Tensile Modulus (ASTM D-638-77a)	7.0×10^5 psi
Flexural Strength (ASTM D-790-71)	4,600 psi
Flexural Modulus (ASTM D-790-71)	1.13×10^6 psi
Percent Elongation (ASTM D-638-77a)	0.65%
Linear Shrinkage	1.2×10^{-3} in/in
Coefficient of Expansion (ASTM D-296-70)	2.3 x 10-5 in/in/°C
Viscosity (Brookfield, mixed) (Sp. 3, 20 rpm, 77°F)	1,650 cps
Pot Life	30 minutes at 77°F
Cure Rate	Minimum 8 Hours at 77°F/25°C
Gel Time	5-7 Hours at 77°F/25°C (1/4 in. thickness)
Full Cure	5-7 Days
Yield	0.24 cu. ft. (25 lb. unit)

CAUTION: Always keep out of the reach of children.

Our representatives are available to assist you. For more information on our system and products, contact Indcon at 888-809-2365.

Packaging

Liquid Flow Epoxy Grout is packaged in 25 lb. kits yielding 0.24 cu. ft. The kit contains two parts: Part A (resin) and Part B (hardener).

Preparation

(See SDS Sheet Before Using) Remove loose or weak concrete and clean surfaces. For metal surfaces, sand to a rough surface and wipe with solvent for best adhesion. Dam the perimeter of the application area, leaving adequate venting. Use a wax type form release agent on forms.

Mixing

Add the entire contents of the hardener container to the resin pail and mix for 2 to 3 minutes with an electric drill and mixing paddle. Take care to remove material from the walls of the container while mixing. Keep the mixing paddle away from the surface to reduce air entrapment.

Pouring

Pours like a liquid unless setting has begun. Pour the mixed material into application area. With a head of 3 inches, material can be expected to flow about 4 feet. Allow the grout to set for a minimum of 8 hours before removing the forms. Always pour from one side to prevent air inclusions under the machine.

Temperature Limitations:

During the installation and cure, the surface and air temperatures should be between 60°F and 90°F. The grout should have a minimum temperature of 70°F. For optimal performance, grout, application surface and air should have a minimum temperature of 70°F. Avoid exposure to direct sunlight during placement. Once cured, the grout will perform well between -30°F and +135°F.

Hardening and Cure

Liquid Flow Epoxy Grout will be set in 5 to 7 hours and ready for service in 24 to 48 hours, depending upon temperature. Full cure may take 5 to 7 days depending upon temperature.

Storage and Shelf Life

Materials should be stored at room temperature (75°F). Stored at room temperature in unopened original packaging, materials have a shelf life of 1 year.

Precautions

Read container labels and Safety Data Sheet before using any product. Contact with liquids Part A and B can cause skin irritation. Wear protective clothing. Cover hands with protective cream and/or gloves. Wear chemical splash goggles to avoid eye contact. Use only with adequate ventilation. **NEVER RECAP A CONTAINER OF MIXED COMPONENTS. THE CONTINUING CHEMICAL REACTION MAY CAUSE THE CONTAINER TO RUPTURE VIOLENTLY.**

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LIMITED WARRANTY: Product manufacturer warrants that the products are in conformance to the formulation standards of manufacturer and that such products are free from manufacturing defects. Purchaser's only remedy is replacement of the product. Manufacturer does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Manufacturer be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Manufacturer's part. Manufacturer neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Manufacturer's products. This warranty shall not apply to any of Manufacturer's products which have been subject to alteration, abuse or misuse. Manufacturer makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Manufacturer which are used in connection with its products. The purchaser accepts these terms and conditions along with Seller's General Terms and Conditions and hereby expressly waives any claim to additional damages.

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