



LYONS EPOXY GROUT

EPOXY GROUT



PRODUCT CODE: LEG.5

PRODUCT DESCRIPTION

Lyons Epoxy Grout is a specially formulated three component, 100% solids, high strength, low exotherm epoxy grout. The system combines a high strength epoxy resin and curing agent with a specially engineered blend of graded aggregates. The special aggregate blend provides excellent flow and uniform distribution throughout the high strength epoxy matrix. The low exotherm epoxy resin allows a long work time and deep pour capabilities.

PRODUCT DESCRIPTION

- Special aggregate allows high flow capability for limited access grout placement without segregation
- Excellent volume stability for maximum bond and load transfer in applications subjected to dynamic loading.
- Fast-cure and high early strength for minimal down time
- High compressive, bond, and tensile strength for maximum durability in vibration applications.
- Pre-measured proportions for easy installation
- High modulus of elasticity and impact resistance
- Superior abrasion/chemical resistance
- Low exotherm epoxy resin for deep pours up to 18"

PRODUCT APPLICATIONS

Mixing Instructions: Air, material, and surface temperatures must be a minimum of 40°F prior to mixing or installation. To assist with mixing and dispensing, precondition material to 75°F. Mix three parts of Part A and one part of Part B by volume for three minutes with a low speed heavy-duty drill and a Jiffy mixer. Use a mortar mixer for mixing larger (2 cu-ft) units. Slowly add Part C (aggregate) and mix for an additional 2-3 minutes. Maximum yield is achieved by mixing in all the Part C aggregate. Always mix full complete units.

High Flow Applications: Reduce the amount of Part C aggregate up to 25% by weight to create a more fluid grout consistency for difficult high flow placements.

Surface Preparation: Surfaces to be grouted must be clean, dry and structurally sound. Remove all oil, grease, dirt, laitance, and any other foreign matter and profile the surface by sandblasting, mechanical abrasion removing any residue with an oil free compressed air.

Placing: The mixed grout should be poured continuously and in such a manner as to provide full and complete contact with base plate, free of air voids. Strapping will facilitate moving the grout into position. Grout should be placed at a minimum of 1.0" thick up to a maximum of 18" thick per lift in a large mass. Full aggregate extension must be used for large applications in excess of 6" deep. Anchor bolt holes should be dry and free of all dust and debris before grout placement.

CLEANING

Tools and Equipment: Uncured material can be removed with mineral spirits, Citrus Cleaner, or other approved solvent. Dispose of in accordance with local, state, and federal disposal regulations. Mechanical removal is necessary for cured material.

STANDARDS

Epoxy Grout: Material shall be a 100% solids, high flow/high strength epoxy grout capable of applications up to 18" in a single pour. Approved Product: Lyons Epoxy Grout. USDA accepted for use in Food Processing applications



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SHELF LIFE

Store **Lyons Epoxy Grout** in its original containers and keep tightly closed. Do not allow the accumulation of water, dirt, or other contaminants. The shelf life of properly stored **Lyons Epoxy Grout** is two years from date of manufacture.

TYPICAL TEST RESULTS

Compressive Strength (ASTM C-579)

<u>1 día</u> 10,000 psi	<u>7 días</u> 13,100 psi	<u>14 días</u> 14,280.23 psi
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Compressive Modulus ASTM C 580 2,000,000 psi

Linear Shrinkage ASTM C-531 Negligible

Bond Strength (ASTM C-882) @

14 days
3,050 psi

Flexural Strength ASTM C 580 4050 psi

Pot Life (75F) 2.0 hours

Hardness (Shore D) 95

Coefficient of Thermal Expansion (max.) (ASTM C-531) 17 x 10-6 in/in/°F

PACKAGING

0.5 cubic foot uni

PART A	0.75 gal
PART B	0.25 gal
PART C	1-50 lb. bag

2.0 cubic foot uni

PART A	3 gal.
PART B	1 gal
PART C	4- 50 lb. bags

LIMITATIONS

Always test a small amount of **Lyons Epoxy Grout** to verify that the product has been thoroughly mixed and will harden properly before proceeding. Do not thin with any solvent. Surface and air temperatures must be a minimum of 40°F for application. Recommended application temperature is 55F to 95F. Higher temperatures will shorten work time and could limit pour volumes. Deep application (over 6") require full aggregate extension.

PRECAUTIONS

Prolonged or repeated skin or eye contact may cause irritation. Use safety glasses and wear protective rubber gloves. If skin contact occurs, wash immediately with soap and water and seek medical help if needed. If eye contact occurs, flush immediately with water and seek medical help if needed. In case of ingestion, call a physician. Product is a sensitizer. Avoid breathing vapors.



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LIMITED WARRANTY

Lyons Manufacturing Inc. warrants the high quality of its products. However, because of many factors beyond our control in its use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price of replacement of this material used. Lyons Manufacturing, Inc. will replace any product proven to have a manufacturing defect, FOB Factory, provided Lyons Manufacturing, Inc. is notified of such defect within six (6) months from the date of shipment from the factory. This warranty is in lieu of all other warranties, expressed or implied. Lyons Manufacturing, Inc. makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the product for their purpose. Under no circumstances will Lyons Manufacturing, Inc. be liable for economic, special, incidental, or consequential damages or losses of any kind.

LYONS MANUFACTURING, INC.

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