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Product Description Sheet

Fixmaster® Deep Pour Grout

Maintenance, Repair & Operations, September 2004

PRODUCT DESCRIPTION

LOCTITE® Fixmaster® Deep Pour Grout – aggregate filled epoxy system is designed for grouting up to 15.2 cm (6") deep, including self-leveling applications under rails and sole plates under typical dry service temperatures of -29° to +107°C (-20° to +225°F). Withstands high torque loading.

Advantages:

- Solids epoxy system, non-shrinking, chemical resistant
- Self-leveling, application versatility, corrosion resistant
- Fast and easy to use, reduces downtime
- Stronger than concrete, long lasting

TYPICAL APPLICATIONS

- Diesel or gas engines, generators
- Cones crushers
- Compressors
- Mine hoists
- Outboard bearings
- Gantry cranes
- For pours up to 15.2 cm (6") thick

DIRECTIONS FOR USE

1. Prepare area to be grouted. Make sure foundation is above 10°C (50°F). The grout is not recommended for use below 10°C (50°F).
2. Remove the two cans and filler from the 5 gallon pail
3. Pour all contents of the resin into the 5 gallon pail. Shake the hardener can to premix then add all of the hardener to the resin in the 5 gallon pail.
4. Mix the resin and hardener together for 3 minutes. The resin and hardener are very low viscosity & should be mixed at a low speed to avoid splashing.
5. Gradually add the filler to the 5 gallon pail and mix until there is no dry powder present.
6. Total mixing time from start to finish should not take more than 15 minutes or the mixture will harden before mixed grout can be poured.
7. Pour into area to be grouted immediately after mixing to give maximum flow before set up. At 25°C (77°F) working time is 30 minutes and material will be functionally cured in 24 hours. For grouting applications greater than 15.2 cm (6"), pour in 10.2 cm (4") increments. Allow previous grout to become tack-free and cool before making subsequent pours. Before making additional pours, be sure previous poured surface is clean and dry – free from dust, oil and moisture.
8. Allow epoxy grout to harden before starting machinery.
9. See warning labels on packages for safe handling procedures.

TECHNICAL TIPS FOR WORKING WITH EPOXIES

Working and cure time depends on temperature and mass:

- The higher the temperature, the faster the cure.
- The larger the mass of material mixed, the faster the cure.

To speed the cure of epoxies at low temperatures:

- Store epoxy at room temperature.
- Pre-heat repair surface until warm to the touch.

To slow the cure of epoxies at high temperatures:

- Mix epoxy in small masses to prevent rapid curing.
- Cool resin/hardener component(s).

Mixing Equipment:

- This material is very thick once all the filler has been added. Best results are achieved using a pneumatic drill attached to a mixing blade.
- If an electric drill is to be used it must be either very heavy duty or geared to provide adequate torque.
- A mixing blade is required. Paddle type blades are available through Loctite under part #94024 (6 per box). Spiral type mixers are acceptable and can be sourced through the paint section of hardware or home renovation stores.

PROPERTIES OF UNCURED MIXED MATERIAL

Mixture	Typical Value
Appearance	Thick Black Liquid
Mix Ratio (R:H) by Volume	4.05:1 to 8.21 Filler
by Weight	16.4:3.6 to 80 Filler
Coverage	10.8 dm ³ per 5 gal 660 in ³ per 5 gal

TYPICAL CURING PERFORMANCE

Curing Properties	Typical Value
(@ 25°C unless noted)	
Working Life, minutes	30
Cure Time, hours	24

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties	Typical Value
(@ 25°C unless noted)	
Compressive Strength, ASTM D695, psi (N/mm ²)	14,500 (100)

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Ordering Information

Part Number	Container Size
99545	5 gal kit

NOT FOR PRODUCT SPECIFICATIONS.
THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.
PLEASE CONTACT LOCTITE CORPORATION QUALITY DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS ON SPECIFICATIONS FOR THIS PRODUCT.
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Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact your local Technical Service Center.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

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