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Product Description Sheet

Fixmaster® Fast Set Grout

Maintenance, Repair & Operations, September 2004

PRODUCT DESCRIPTION

LOCTITE® Fixmaster® Fast Set Grout is designed to grout new machinery and to set anchor bolts quickly. Self-leveling epoxy can be poured up to 2.54 cm (1") thick. Cured material has compression strength and chemical resistance superior to concrete under typical dry service temperatures of -29° to +93°C (-20° to +200°F). And unlike concrete, it forms strong bonds to old concrete and to itself.

Advantages:

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

TYPICAL APPLICATIONS

- Grouting in pumps
- Level machinery
- Set anchor bolts
- Grouting in lathes and compressors
- Use from 2.54cm (1") to 0.32 cm (1/8") clearance

DIRECTIONS FOR USE

1. The area to be grouted must be cleaned of all loose material. Sole plates, rails and machinery bases must be cleaned of rust, grease, and oil. New concrete should be scarified for good bonding. Use grease or mold release on all forms and areas where grout should not adhere.
2. Sole plates, rail and foundation must be above 10°C (50°F) for proper hardening of the grout.
3. Open pail and remove small can (hardener) and plastic liner.
4. Premix hardener by shaking can. Premix resin in 2 gal pail.
5. Add contents of small can (hardener) and mix until uniform in color. The resin and hardener are very low viscosity & should be mixed at a low speed to avoid splashing.
6. Pour immediately after mixing, to a maximum thickness of 2.54 cm (1"). If thicker sections are required, pour in layers after the previous one is tack-free and cooled, but within 12 hours.

TECHNICAL TIPS FOR WORKING WITH EPOXIES

Working time 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	Red Liquid
Mix Ratio (R:H) by Volume	100:11.7
by Weight	100:6.5
Coverage	5.7 dm ³ per 2 gallon 347 in ³ per 2 gallon

TYPICAL CURING PERFORMANCE

Curing Properties	Typical Value
(@ 25°C unless noted)	
Working Life, minutes	10
Cure Time, hours	12

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)	Typical Value
Physical Properties	
Compressive Strength, ASTM D695, psi (N/mm ²)	14,500 (100)
Shear Strength ASTM D1002, psi (N/mm ²)	1,700 (11.7)
.005" gap, acid etched aluminum	
Tensile Strength ASTM D638, psi (N/mm ²)	4,500 (31.0)

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
39637	2 gallon kit

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.

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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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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