



1001 Trout Brook Crossing
 Rocky Hill, CT 06067-3910
 Telephone: (860) 571-5100
 FAX: (860) 571-5465

Product Description Sheet

Fixmaster® Floor Fill

Maintenance, Repair & Operations, May 1999

PRODUCT DESCRIPTION

LOCTITE® Fixmaster® Floor Fill is a non-shrinking 100% solids epoxy based system for repairing holes in floors, spalled areas, ramps, stairs, cracks in floors, and for use in grouting applications. Once cured it is stronger than concrete, bonds to almost any clean substrate, and provides chemical resistance under typical dry service temperatures of -29° to +107°C (-20° to +225°F)

Advantages:

- Solids epoxy system – Non-shrinking
- Chemical resistant
- Fast and easy to mix and use – reduces downtime
- Outperforms concrete
- Self leveling
- Application versatility

TYPICAL APPLICATIONS

- Repairs holes in floors
- Repairs spalled areas
- Ramps and stairs
- Cracks in floors
- Grouting

DIRECTIONS FOR USE

1. Clean all dust, grease, latent concrete, or other foreign matter from the surface to be coated.
2. Remove all materials from the outer pail.
3. Pour resin contents into empty pail.
4. Add hardener contents to resin. Mix with electric drill and mixing paddle.
5. Add silica filler to the resin and hardener mixture and continue mixing until thoroughly mixed. Be sure to mix along sides and across bottom of pail.
6. At 25°C (77°F) working time is 40-60 minutes and functional cure time is 24 hours.

NOTE – To obtain a pourable consistency do not use all of the filler. However, when leaving out part of the filler the working time and cure time will be shorter.

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).

PROPERTIES OF UNCURED MIXED MATERIAL

Mixture	Typical Value
Appearance	Thick Grey Liquid
Mix Ratio (R:H) by Volume	4.6:1 to 9.8 Filler
by Weight	16:3.2 to 80.8 Filler
Coverage	8.7 dm ³ per 40 lb. kit
	532 in ³ per 40 lb. kit

TYPICAL CURING PERFORMANCE

Curing Properties

(@ 25°C unless noted)

Working Life, minutes

Cure Time, hours

Typical Value

40 – 60

24

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)

Physical Properties

Compressive Strength, ASTM D695, psi (N/mm²)

Typical Value

15,000 (103.4)

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
99361	10 lb. kit
99365	40 lb. 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.

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

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. One or more United States or foreign patents or patent applications may cover this product.

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.

ROCKY HILL, CT FAX: +1 (860)-571-5473

DUBLIN, IRELAND FAX: +353-(1)-451 - 9959

Loctite and Fixmaster are Trademarks of Loctite Corporation U.S.A.