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## Product Description Sheet

# Fixmaster<sup>®</sup> Wear Resistant Putty

Maintenance, Repair & Operations May 1999

### PRODUCT DESCRIPTION

Fixmaster Wear Resistant Putty, ceramic fibers give this trowelable putty excellent wear and abrasion resistant properties under typical dry service temperatures of -29° to +107°C (-20° to +225°F). Provides smooth, low friction finish for equipment exposed to wear, erosion, and cavitation.

#### Advantages:

- Won't sag or shrink – provides abrasion, corrosion, and cavitation resistance on over-head and vertical surfaces and conforms to odd shapes.
- Renews worn surfaces fast, reduces downtime.
- Ceramic filled – resists abrasion and cavitation.
- Prolongs equipment life.

### TYPICAL APPLICATIONS

- Filling cavitation
- Providing protective coating in or on: pipes, pumps elbows, transitions, butterfly valves, deflection plates, turbine blades, and tanks

### PROPERTIES OF UNCURED MIXED MATERIAL

Mixture	Typical Value
Appearance	Thick Grey Paste
Mix Ratio (R:H) by Volume	2:1
by Weight	2:1
Coverage	342 cm <sup>2</sup> @ 6 mm thick per 1 lb. kit 53 in <sup>2</sup> @ ¼" Thick per 1 lb. kit

### TYPICAL CURING PERFORMANCE

#### Curing Properties

(@ 25°C unless noted)	Typical Value
Working Life, minutes	30
Cure Time, hours	6

### TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)

Physical Properties	Typical Value
Compressive Strength, ASTM D695, psi (N/mm <sup>2</sup> )	11,600 (80.0)
Shear Strength ASTM D1002, psi (N/mm <sup>2</sup> )	1,450 (10.0)
.005" gap, acid etched aluminum	
Tensile Strength, ASTM D638, psi (N/mm <sup>2</sup> )	4,900 (33.8)
Hardness ASTM D-2240, Shore D	89

### ORDERING INFORMATION

Part Number	Container Size
98742	1 lb. kit
98743	3 lb. kit

### 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).

### DIRECTIONS FOR USE

- Clean and abrade application surface. Sandblast or grind for best adhesion.
- Mix 2 parts resin to 1 part hardener by volume or transfer entire kit onto a clean and dry mixing surface and mix material vigorously until a uniform color is obtained.
- Apply mixed material to desired surface.
- At 25°C (77°F) working time of one pound of material is 30 minutes and cure time is 6 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).

### 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.  
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