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Product Description Sheet

Fixmaster[®] Wet Surface Repair Putty

Maintenance, Repair & Operations, May 1999

PRODUCT DESCRIPTION

LOCTITE[®] Fixmaster[®] Wet Surface Repair Putty is a two component epoxy that adheres to damp and underwater surfaces. It adheres to steel, iron, aluminum, brass, bronze, concrete, wood and some plastics, even when wet under typical service temperatures of -29° to +66°C (-20° to +150°F).

TYPICAL APPLICATIONS

Habitually wet environments in:

- Pulp and paper mills
- Wastewater treatment plants
- Marine environments

DIRECTIONS FOR USE

1. Mix 1 part 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.
2. Spread material to desired shape and smoothness.
3. At 25°C (77°F) working time is 30 minutes and functional cure is achieved in 18 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).

PROPERTIES OF UNCURED MIXED MATERIAL

	Typical Value
Appearance	Grey Putty
Mix Ratio (R:H) by Volume	1:1
by Weight	100:89
Coverage	464 cm ² @ 6 mm thick per 1 lb. kit 72 in ² @ ¼" thick per 1 lb. kit

TYPICAL CURING PERFORMANCE

Curing Properties

	Typical Value
(@ 25°C unless noted)	
Working Life, minutes	30
Cure Time, hours	18

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)

Physical Properties	Typical Value
Compressive Strength, ASTM D695, psi (N/mm ²)	12,500 (86.2)
Shear Strength ASTM D1002, psi (N/mm ²)	2,000 (13.8)
.005" gap, acid etched aluminum	
Hardness ASTM D-2240, Shore D	85
Tensile Strength, ASTM D638, psi (N/mm ²)	3,500 (24.1)

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
96583	1 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

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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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