



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

Product Description Sheet

Fixmaster® 2000° Putty

Maintenance, Repair & Operations, May 1999

PRODUCT DESCRIPTION

LOCTITE® Fixmaster® 2000° Putty is an extreme temperature repair putty that withstands environments up to 1,093°C (2,000°F).

Advantages:

- Makes reliable high temperature repairs.
- Excellent adhesion to cast iron, cast aluminum and carbon steels (typical metal used in high temperature applications).
- One part design, no mixing, no measuring.
- Cures to a metal finish.
- Can be ground and sanded to a smooth finish.

TYPICAL APPLICATIONS

- Boiler doors and casings.
- Exhaust stacks.
- Defective molds, crucibles and dies.
- Flanges.
- Sagger plates.
- Refractory bricks and ceramic tiles.
- Automotive exhaust application: headers, manifolds, catalytic converters, exhaust ports.

Limitations:

- 2000° Putty is not for sealing engine block or cylinder head coolant leaks.

Environmental information:

- 2000° Putty is an environmentally non-toxic, water based compound which is non-flammable and contains no solvents or volatile compounds.

DIRECTIONS FOR USE

1. Success with 2000° Putty depends upon proper bond to the substrate. Abrading, cleaning, and drying the surface will promote proper adhesion to the affected surface.
2. Mix contents thoroughly using a spatula as some settling may have occurred.
3. Apply 2000° Putty to a maximum thickness of 0.95 cm (3/8"). Cracks and holes greater than 0.95 cm (3/8") thickness should be repaired using expanded mesh or screen. First apply 2000° Putty, then form the screen and apply a second coat of 2000° Putty to embed the screen completely.
4. Air-dry 2000° Putty for 5-7 hours. Heat cure is not required if operating temperature exceeds 204°C (400°F), otherwise, heat cure at 93°C (200°F) for 3 hours.
5. This product will shrink slightly when cured. Allow enough material for shrinkage.
6. Do Not Apply To Hot Surfaces! Rapid evaporation of the material will entrap bubbles in the products and create voids affecting the performance of the product. Warm surfaces are preferred.
7. Putty may be drilled, tapped, and machined after it is fully cured.

PROPERTIES OF UNCURED MATERIAL

Mixture	Typical Value
Appearance	Silver Grey Paste
Coverage	620 cm ² @ 0.25 cm thick per 8 oz. 96 in ² @ .1 in thick per 8 oz.

TYPICAL CURING PERFORMANCE

(@ 25°C unless noted)

Curing Properties

	Typical Value
Cure Time, hours	5 - 7

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)

Physical Properties

	Typical Value
Shear Strength ASTM D1002, psi (N/mm ²)	675 (4.6)
.005" gap, acid etched aluminum	

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
95724	8 oz

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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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

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