



Watchmead,
Welwyn Garden City,
Herts, AL7 1JB
Telephone: 01707 358888
FAX: 01707 358900

Product Description Sheet 3467 Stainless Steel Putty

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PRODUCT DESCRIPTION

Loctite 3467 Stainless Steel Putty is a stainless steel filled, epoxy repair putty, it will not corrode, has high compressive strength, and can be machined, drilled etc. Temperature range -30° to +105°C

Advantages:

- Resists rust and corrosion - for long lasting repairs.
- Rebuilds worn parts fast, reduces downtime.
- High stainless steel content - for durability.
- Excellent adhesion – forms a permanent bond.
- Use where a stainless steel finish is desired

TYPICAL APPLICATIONS

- Renewing stainless steel pumps
- Rebuilding stainless steel shafts
- Resurfacing stainless steel equipment
- Repairing stainless steel castings
- Making stainless steel moulds

PROPERTIES OF UNCURED MIXED MATERIAL

Mixture	Typical Value
Appearance	Metallic Grey Paste
Mix Ratio (R:H) by Volume	4:1
by Weight	9:1
Coverage	540 cm ² @ 6mm thick/1 kg. kit 79 in ² @ ¼" thick /1 kg. kit

TYPICAL CURING PERFORMANCE

Curing Properties

(@ 25°C unless noted)

	Typical Value
Working Life, minutes	20
Cure Time, hours	6

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)

Physical Properties	Typical Value
Compressive Strength, ASTM D695, N/mm ²	82.7
Shear Strength ASTM D1002, N/mm ²	9.0
.125mm gap, acid etched aluminium	
Tensile Strength, ASTM D638, N/mm ²	31.7
Hardness ASTM D-2240, Shore D	85

Directions for use:

- Thoroughly clean and abrade surfaces (grit blast if possible), finally clean with Loctite 7063.
- Mix 4 parts resin to 1 part hardener by volume (9 to 1 by weight), or mix entire kit by adding hardener contents to resin container.
- Mix material vigorously until a uniform colour is obtained. Be sure to mix along the sides and bottom.
- Initially apply as a thin film, build up to desired thickness
- At 25°C working time is 20 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, 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 components.

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).

Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C unless otherwise labelled. 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 Loctite UK Technical Service.

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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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