



TECHNICAL DATA SHEET



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Item #	Package	Size
431348	Carded Cylinder	2 oz.

DESCRIPTION:

Loctite® Repair Putty Multi-Purpose is a two-part adhesive consisting of an epoxy resin putty and a hardener putty which are mixed by kneading. They react to produce a hard, tough, permanent and waterproof bond on a wide range of materials. Loctite® Repair Putty Multi-Purpose does not shrink and is resistant to most common solvents. It can bond to damp surfaces and cure under water. Loctite Epoxy Putty can be sanded, drilled and painted.

RECOMMENDED FOR:

Bonding metal, masonry, brick, wood, glass, ceramic, rubber, fiberglass composite, china, stone, marble and many rigid plastics. Use to seal pipes, fix leaks in tanks and drains, repair appliances, tools, furniture, toys, automotive parts, pools and cracks in concrete.

NOT RECOMMENDED FOR:

- Polyethylene and polypropylene
- Applications requiring long-term temperatures above 250°F (121°C)
- Structural applications
- Potable water systems

FEATURES & BENEFITS:

Feature	Benefits
Machinable.....	Won't crack when drilled
Moulds into different shapes.....	Will fit into any shape of crack
Does not shrink.....	One-time application
Sandable and paintable.....	Blends with surroundings
Cures under water.....	Great for emergency in-water repairs

DIRECTIONS:

Tools Typically Required:
Sandpaper or wire brush, damp cloth.

Safety Precautions:
Wear gloves.

Preparation:
Surfaces should be clean and free from grease and oil. For better adhesion, slightly roughen the surface with a wire brush or sandpaper prior to cleaning. Cut off desired length of Epoxy Putty and knead until uniform colour is obtained. Putty turns from blue to off-white when completely mixed.

Application:
Apply the putty to surface to be repaired within 3 minutes of mixing. Work putty firmly into the crack or hole. For bonding, place the putty between the surfaces and apply firm pressure to ensure intimate contact with both surfaces. If applying to a wet surface, apply forcefully and hold in place until adhesion takes effect. For a smooth finish, rub the putty with a damp cloth prior to hardening. Working time is approximately 5 minutes. After 45 minutes, the putty can be sanded, drilled or painted.

Notes: Lower temperature lengthens cure time. If applying to a wet surface, apply forcefully and hold in place until adhesion begins. For a smooth surface, rub with a damp cloth prior to hardening.

Clean-up:

Cured putty may be cut away with caution using a sharp blade.

STORAGE AND DISPOSAL

Not damaged by freezing. Store unused product in a tightly sealed container. Knead unwanted putty, allow to harden and dispose with trash.

LABEL PRECAUTIONS

WARNING: Contains epoxy resin, amine resin and polymercaptan. Do not get in eyes or on skin. Wash hands after using. Do not breathe vapors. **FIRST AID:** For eye contact, flush with water for 15 minutes, call a physician. For skin contact, wash thoroughly with soap and water, call a physician if symptoms persist. If swallowed, do not induce vomiting, call a physician.
KEEP OUT OF THE REACH OF CHILDREN.

Refer to the Material Safety Data Sheet (MSDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	White	<u>Application Temperature:</u>	39°F (4°C) to 95°F (35°C)
<u>Hardener:</u>	White	<u>Odour:</u>	Mild amine
<u>Resin:</u>	Blue	<u>Set Time:</u>	4 to 7 minutes
<u>Appearance:</u>	Putty	<u>Handling Time:</u>	45 minutes
<u>Base:</u>	Epoxy resin / Polymercaptan hardener	<u>Full Cure Time:</u>	24 hours
<u>Specific Gravity:</u>	2.25		
<u>VOC Content:</u>	< 0.1 %		
<u>Flash Point:</u>	> 60°C (140°F)		
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)		
<u>Lot Code Explanation:</u>	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year For example: 13061 = 61 st day of 2013 = March 2, 20013		
(Lot code stamped on foil seal of tube packaging)			

Typical Cured Performance Properties

<u>Colour:</u>	Off-white	<u>Water Resistant:</u>	Yes
<u>Service Temperature:</u>		<u>Sandable:</u>	Yes
Long-term exposure:	-17°F (-27°C) to 250°F (121°C)	<u>Paintable:</u>	Yes
Short-term exposure:	-17°F (-27°C) to 300°F (149°C)	<u>Dielectric Strength:</u>	300 volts / mil
<u>Hardness, Shore D:</u>	65 to 75	<u>Electrical Resistance:</u>	30,000 mega ohms
<u>Lap Shear Tensile Strength:</u>			
Steel:	600 psi (4.1 N/mm ²)		
Fiberglass:	500 psi (3.4 N/mm ²)		
<u>Chemical Resistance:</u>	Hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases		