



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 above 121°C (250°F).
- Structural applications.
- Potable water systems.

FEATURES & BENEFITS:

Feature	Benefits
High impact resistance.....	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 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.

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

CONTENTS MAY BE HARMFUL: Do not swallow. Do not get in eyes or on skin or clothing. May cause allergic skin reaction. Always wear plastic or rubber gloves. **KEEP OUT OF REACH OF CHILDREN. FIRST AID TREATMENT:** Contains epoxy resin, amine resin and polymericaptan. If swallowed, call Poison Control Center or doctor immediately. Do not induce vomiting. If in eyes or on skin, rinse well with water. If on clothes, remove clothes immediately.

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>		<u>Set Time:</u>	4 to 7 minutes
<u>Hardener:</u>	White		
<u>Resin:</u>	Blue	<u>Handling Time:</u>	45 minutes
<u>Appearance:</u>	Putty	<u>Curing Time:</u>	24 hours
<u>Base:</u>	Epoxy resin / Polymericaptan hardener	<u>Odor:</u>	Mild amine
<u>Specific Gravity:</u>	1.9		
<u>VOC Content:</u>	0.9 %		
<u>Flash Point:</u>	> 93°C (199°F)		
<u>Shelf Life:</u>	24 months from date of manufacture		
<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		
(Lot code stamped on foil seal of tube packaging)	For example: 09061 = 61 st day of 2009 = March 2, 2009		

Typical Cured Performance Properties

<u>Service Temperature:</u>		<u>Color:</u>	Off-white
Continuous:	-27°C (-17°F) to 121°C (250°F)		
Intermittent:	-27°C (-17°F) to 149°C (300°F)	<u>Dielectric Strength:</u>	300 volts / mil
<u>Electrical Resistance:</u>	30,000 mega ohms	<u>Compressive Strength:</u>	10,000 to 14,000 psi (69 MPa to 96 MPa)
<u>Hardness, Shore D:</u>	65 to 75	<u>Chemical Resistance:</u>	Hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.
<u>Lap Shear Tensile Strength:</u>			
Steel:	600 psi (4137 kPa)		
Fiberglass:	500 psi (3447 kPa)		