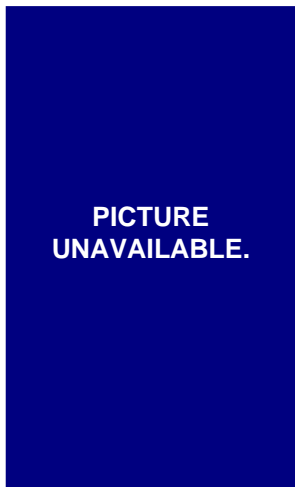




TECHNICAL DATA SHEET

LOCTITE
AUTOMOTIVE
EPOXY PUTTY

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DESCRIPTION

Loctite® Automotive Epoxy Putty is a fast setting, industrial strength compound that enables permanent repairs to anything made of steel or other metals. It does not shrink and is resistant to most common solvents. It can be sanded, drilled and painted after 60 minutes. Each stick of putty contains pre-measured portions of resin and hardener throughout therefore no measuring or mixing tools are necessary. Both components react to produce a hard, tough, permanent and waterproof bond on a wide range of materials.

RECOMMENDED FOR:

Rebuilding small engine parts, sealing leaks and filling cracks and voids in metal. Use to repair iron pipes, tanks, tools, stripped threads, molds and ductwork. Loctite® Automotive Epoxy Putty can also be used to bond aluminum, iron, steel, wood and masonry.

NOT RECOMMENDED FOR:

- Polyethylene and polypropylene
- Continuous exposure to temperatures above 250°F (121°C)
- Structural application
- 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
Convenient putty format.....	Easy to use; No drips or runs; No measuring or mixing tools required

DIRECTIONS

Tools Typically Required:

Sandpaper or wire brush, damp cloth.

Safety Precautions:

Wear gloves and wash hands after use.

Preparation:

Surfaces should be clean and free from grease and oil. Slightly roughen the surface with a wire brush or sandpaper. Cut off desired length of Loctite® Automotive Epoxy Putty and knead until uniform colour is obtained. Putty turns a dark metallic grey when completely mixed.

Application:

Apply the putty within 2 minutes of mixing, working it 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. For a smooth finish, rub the putty with a damp cloth prior to hardening. Working time is approximately 3 minutes. After 5 to 10 minutes the putty will harden and form a tenacious bond. After 60 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. To dispose of any unwanted putty, knead putty allowing it to harden and then dispose of with trash.

PRECAUTIONS

CAUTION: Contains epoxy resin, amine resin and amine curing agent. Avoid contact with skin. Wash hands after use. **FIRST AID:** Call a physician if irritation develops or persists. For eye contact, flush with water for 15 minutes. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. **KEEP OUT OF 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>		<u>Working Time:</u>	3 minutes
<u>Hardener:</u>	Black	<u>Set Time:</u>	5 to 10 minutes
<u>Resin:</u>	Grey	<u>Cure Time:</u>	1 hour
<u>Base:</u>	Epoxy Resin / Polysulfone Hardener		
<u>Specific Gravity:</u>	2.15		
<u>VOC Content:</u>	0%		
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)		
<u>Lot Code Explanation:</u>	YDDD		
(Lot code is stamped on bottom seal of putty)	Y = Last Digit of Year of Manufacture DDD = Day of Manufacture based on 365 days in a year For example: 9061 = 61 st day of 2009 = March 2, 2009		

Typical Cured Performance Properties

<u>Cured Color:</u>	Dark metallic grey
<u>Service Temperature:</u>	
Continuous:	-17°F (-27°C) to 250°F (121°C)
Intermittent:	-17°F (-27°C) to 300°F (149°C)
<u>Hardness, Shore D (1 hour):</u>	80
<u>Compressive Strength:</u>	
Steel	12,000 psi
<u>Tensile Strength:</u>	
Steel	900 psi
<u>Chemical Resistance:</u>	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.
<u>Shrinkage:</u>	< 1 %