



TECHNICAL DATA SHEET

LOCTITE

EPOXY

5 Minute Instant Mix™

Henkel Corporation

Professional and Consumer Adhesives

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Item #	Package	Size
1365868	Carded Syringe	0.47 Fl. Oz. (14 mL)

DESCRIPTION:

Loctite® Epoxy 5 Minute Instant Mix™ is a two-part adhesive consisting of an epoxy resin and a hardener. When mixed in equal volumes, the resin and hardener react to produce a tough, rigid, high strength bond, which starts to set in 5 minutes and reaches handling strength in 1 hour. The static mix nozzle delivers a uniform mixture of resin and hardener every time. It can be used as an adhesive for a wide range of materials or as a versatile filler for gap bonding, surface repairs and laminating. Loctite® Epoxy 5 Minute Instant Mix™ does not shrink and is resistant to water and most common solvents. It can be tinted with earth pigments, cement or sand for color matching and can be sanded and drilled.

RECOMMENDED FOR:

Bonding metal, glass, ceramic, wood, many rigid plastics, china, tile, fiberglass, concrete and stone. Can be combined with fiberglass cloth for a durable patch.

NOT RECOMMENDED FOR:

- Polyethylene, polypropylene, Nylon™, Teflon™ or flexible materials
- Continuously wet areas or water immersion.

FEATURES & BENEFITS:

Feature	Benefits
Can be drilled.....	Will not crack when drilled
Can be tinted.....	Matches surrounding materials
Water resistant.....	Can be used outdoors
Does not shrink.....	One-time application
Convenient instant mix syringe.....	Consistently dispenses equal, uniformly mixed amounts of each component
Sets in 5 minutes.....	Quick completion of project

DIRECTIONS:

Tools Typically Required:

Utility knife (for syringe)

Safety Precautions:

Well-ventilated area, gloves.

Preparation:

Protect work area. Surfaces must be clean, dry and free from oil, wax and paint. For better adhesion, roughen smooth surfaces prior to cleaning. Pre-fit parts to be joined. Remove plastic cap from centre of plunger. Turn nozzle end up and pull plunger back slightly allowing air bubbles to rise to top. Snap off and discard end of syringe. Dispense air. Insert nozzle opening and push past prongs. Rotate nozzle 90° to lock into place.

Application:

Depress plunger to dispense equal amounts of hardener and resin directly onto surface to be filled or bonded. Remove and discard nozzle. Wipe syringe tip immediately. Retract plunger slightly and close with the cap provided. Place objects together within 4 minutes of adhesive application. Bond sets in 5 to 7 minutes at 68°F (20°C) to 77°F (25°C). For best results in butt joints, apply adhesive as a reinforcing filet or splint over the joint for additional support. Remove any excess adhesive immediately with mineral spirits. Usable strength is obtained within 1 hour. Warmer temperatures will shorten the set time and cooler temperatures will lengthen it.

Clean-up:

Clean excess glue immediately with mineral spirits. Cured adhesive may be cut away with caution using a sharp blade. Prolonged immersion in paint stripper will soften the cured adhesive to aid removal.

STORAGE AND DISPOSAL

Not damaged by freezing. If frozen, warm to room temperature until the resin and hardener become liquid enough to mix. Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

DANGER: Contains epoxy resin, polymericaptan and amine curing agents. Do not get into eyes or on skin. Do not breathe vapors. For eye contact, flush with water for 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water and 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>		<u>Application Temperature:</u>	39°F (4°C) to 95°F (35°C)
<u>Hardener:</u>	Clear liquid		
<u>Resin:</u>	Colorless to light yellow liquid		
<u>Base:</u>	Epoxy resin / Polymericaptan and amine hardener	<u>Set Time:</u>	5 to 7 minutes (Cooler temperatures may require a longer set time)
<u>Specific Gravity:</u>		<u>Usable Strength:</u>	1 hour
<u>Hardener:</u>	1.10		
<u>Resin:</u>	1.16		
<u>Viscosity:</u>		<u>Odor:</u>	
<u>Hardener:</u>	12,500 cps	<u>Hardener:</u>	Unpleasant
<u>Resin:</u>	7,000 cps	<u>Resin:</u>	Mild
<u>Flash Point:</u>	> 150°F (66°C)		

Typical Cured Performance Properties

<u>Color:</u>	Translucent yellow
<u>Sandable:</u>	Yes
<u>Water Resistant:</u>	Yes
<u>Service Temperature:</u>	-9°F (-23°C) to 120°F (49°C)
<u>Typical Tensile Shear Strength:</u> (on sand blasted, cold rolled steel)	
30 minutes:	714 psi
2 hours:	2384 psi
4 hours:	2756 psi
24 hours:	3211 psi