



Instant Mix™ 5-Minute Epoxy

DESCRIPTION

Loctite® Instant Mix 5 Minute Epoxy 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 Instant Mix 5 Minute Epoxy 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

Available As:

Item #	Package	Size
1365868	Carded Syringe	0.47 fl. oz. (14 ml)

FEATURES & BENEFITS

- Precise application
- Sets in 5 minutes*
- Water resistant
- Self-mixing, convenient instant mix syringe
- Machinable – will not crack when drilled
- Does not shrink
- Dries translucent yellow

RECOMMENDED FOR

Loctite Instant Mix 5 Minute Epoxy can be used 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.

LIMITATIONS

- Not recommended for polyethylene, polypropylene, non-stick coatings, nylon products or flexible materials.
- Do not use in applications requiring heat exposure greater than 120°F (49°C).
- Do not use in applications where the bonds will be exposed to continuous water immersion or continuously wet areas.
- Do not use in potable water systems.

TECHNICAL DATA

Typical Uncured Physical Properties:

Color:	Resin: Colorless Hardener: Clear/Light Yellow	VOC Content:	0.1% by Weight	CARB
Appearance:	Liquid	Shelf Life:	12 months (from date of manufacture, unopened)	
Base:	Resin: Epoxy Hardener: Polymercaptan hardener	Lot Code Explanation:	(stamped on top of syringe above label)	
Specific Gravity:	Resin: 1.16 Hardener: 1.12	YYMMDDXX		
Flashpoint:	Resin: >302°F (150°C) Hardener: 494.6°F (257°C)	YY = Year of manufacture		
Viscosity:	~ 11,000 cps	MM = Month of manufacture		
		DD = Day of month		
		XX = Disregard		
		For example: 18041514 = April 15, 2018 is date of manufacture		

TECHNICAL DATA

Typical Application Properties:

Application Temperature:	Apply between 39°F (4°C) and 95°F (35°C)	
Odor:	Mild amine	
Gel Time:	40 – 60 seconds*	*Time is based on temperature, humidity, and thickness of epoxy applied
Usable Strength:	5 to 10 minutes*	
Full Cure Time:	24 hours*	

Typical Cured Performance Properties:

Color:	Translucent amber	Cured form:	Non-flammable, hard, solid.
Water Resistant:	No	Paintable:	No, but can be tinted with earth pigments
Sandable:	Yes	Dishwasher Safe:	Yes
Tensile Shear Strength:	2500 psi (17.2 N/mm ²)	Service Temperature:	-9°F (-23°C) to 120°F (49°C)
(Cold rolled steel, sandblasted)	24-hour cure		

DIRECTIONS

Tools Typically Required:

Utility knife, disposable surface (e.g. foil, paper)

Safety Precautions:

Protect work area before and during use of the glue. Apply and cure in a well-ventilated area. Wear gloves and wash hands after use.

Preparation:

Protect work area. Surfaces must be clean, dry and free from oil, wax and paint. Surfaces must be clean, dry and free from oil, wax, paint, rust, etc. Roughen smooth surfaces for better adhesion by sandblasting or sanding with an emery cloth. Wash glass and ceramic surfaces with soap and water then rinse and let dry. Pre-fit all parts to be joined together. Hold syringe with nozzle end up and pull plunger back slightly allowing air bubbles to rise to top (taking care to NOT pull the plunger out of the back of the syringe). Snap off the tab at the top of the syringe by pushing to the side (do not twist) and discard. Attach mixing tube over syringe opening, push past prongs and turn 90° to lock in place.

Application:

Depress plunger to dispense equal amounts of hardener and resin directly onto surface to be filled or bonded. Place objects together within 40 seconds of adhesive application. Bond sets in 40 to 60 seconds at 68°F (20°C) to 77°F (25°C). Remove any excess adhesive immediately with mineral spirits or rubbing alcohol (follow manufacturer's instructions). Usable strength is obtained within 5 to 10 minutes. Warmer temperatures will shorten the set time and cooler temperatures will lengthen it.

Clean-up:

Remove and discard mixing tube. Retract plunger slightly and wipe syringe tip. Remove reusable cap from side holder and place on end of syringe. Clean excess glue immediately by wiping with clean cloth. Acetone may be used to assist in removal. 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. Note: Acetone is highly flammable and not compatible with all surfaces. Follow manufacturer's instructions and test on small area before applying.

STORAGE & DISPOSAL

Not damaged by freezing. Store in a cool, dry location. Humidity and high temperatures may decrease effectiveness. Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

DANGER: Corrosive. Causes eye and skin burns. May cause allergic skin and respiratory reaction. May be harmful if absorbed through skin.

DANGER: Contains epoxy resin, polymercaptan, and amine curing agents. Harmful if swallowed. Use with adequate ventilation. Do not get in eyes or on skin. Do not breath vapors. Wash thoroughly after handling.

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 REACH OF CHILDREN.



WARNING: Cancer – www.P65Warnings.ca.gov

Refer to the Safety Data Sheet (SDS) 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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.



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