

Technical Product Bulletin

5 Minute Adhesive Epoxy Gel, 50mL Cartridge

PRODUCT DESCRIPTION

Atom Adhesives 5 Minute Epoxy Gel – Fix It Fast. Fix It Strong.

When time is critical and reliability matters, this fast-setting epoxy gel is your powerhouse solution. From sealing leaks to bonding metal, wood, concrete, and more, Atom Adhesives delivers unmatched strength with zero hassle.

Why It's a Game-Changer:

- **Rapid Cure:** Achieve a rock-solid bond in just 1 hour after applying—no waiting, no downtime.
- **All-Purpose Performance:** Bonds metal, wood, concrete, plastic, and beyond.
- **Gap-Filling Power:** Handles uneven surfaces and imperfections with ease.
- **Unyielding Strength:** 2,800 psi tensile strength for repairs that last.
- **Chemical Resistance:** Defies gas, oil, and harsh solvents for ultimate durability.
- **Non-Sag Formula:** Perfect for vertical applications—no drips, no mess.

Key Features

- High tensile strength (2,800 psi)
- Excellent resistance to gas, oil, and solvents
- Non-sag for vertical surfaces
- Superior gap-filling without shrinkage
- Fast cure for machinery and equipment repairs

Specifications

- Open time: 4–7 minutes
- Fixture time: 10–15 minutes

- Gap fill: 0.01"–0.05"

GENERAL PROPERTIES

Appearance	Slight haze/ slight straw
Cure Type	Room temperature or Heat cure
Benefits	Resistant to many organic/inorganics Strong bond strength Great electrical insulator Durable
Mix Ratio by weight	100:100 / Resin:Hardener
Substrates	metals, plastics, concrete, sheetrock, tile, marble, stone, rock, plaster, cement, glass fabrics, wood, leather and rigid plastics
Operating Temperature	-76 °F to 230 °F / -60 to 110 °C
Typical Application(s)	Anything requiring the unique properties this adhesive offers
Pot Life	5 minutes

UNCURED PROPERTIES

Viscosity @ 25 °C, mPa·s (cP)	Thixotropic
Solids Content	100%
Specific Gravity, mixed	1.2 g/cc

CURE SCHEDULE

30 minutes @ 65°C	
2 hours @ 25°C / Room Temp	

MISC PROPERTIES

Volume Resistivity	5.00e+11 ohm-cm
--------------------	-----------------

Dielectric Constant	4.8
Dielectric Strength	410kV/in
CTE, linear	33.3 $\mu\text{in/in-}^{\circ}\text{F}$ @ RT
Hardness, Shore D	70
Glass Transition Temp, Tg 25.0 $^{\circ}\text{C}$, 77.0 $^{\circ}\text{F}$	

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

HOW TO USE

1. Carefully clean and dry all surfaces to be bonded.
2. 5 Minute Epoxy 14265 completely mixed adhesive to the prepared surfaces, and gently press these surfaces together. Contact pressure is adequate for strong, reliable bonds; however, maintain contact until adhesive is completely cured.
3. Some separation of components is common during shipping and storage. For this reason, it is recommended that the contents of the shipping container be thoroughly mixed prior to use.
4. Some ingredients in this formulation provided may crystallize when subjected to low temperature storage. A gentle warming cycle of 52 $^{\circ}\text{C}$ for 30 minutes prior to mixing components may be necessary. Crystallized epoxy components do not react as well as liquid components and should be re-dissolved prior to use for best results.

AVAILABILITY

This epoxy can be supplied in various different packages.

Data Sheets: [TDS](#) | [MSDS available upon request.](#)