



Product Information

www.miller-stephenson.com

MS-907 Plus EPOXY ADHESIVE SYSTEM

Description:

MS-907 Plus is a multi-purpose epoxy bond and repair adhesive. Its specially formulated, non-sag property is ideal for bonding most materials, such as metal, glass, ceramics, plastics, wood, rubber, and concrete. MS-907 Plus is a two-part, equal volume, room temperature curing system, available in a 4 oz tube kit and 9 oz cartridge. Fast set-up time. Perfect for in-plant and field use. It has an application temperature range between 40°F/4°C and 100°F/38°C.

Advantages:

- Rapid initial 3-hour cure at room temperature
- Moisture insensitive system and may be used on damp surfaces
- Non-sag patching material for cracks
- Ideal for overhead and vertical repairs

Ratio & Cure

Part A (Resin) White, Part B (Hardener) Dark Gray

Mixed: Concrete Gray

Mix Ratio: 1:1 by volume

Gel Time (60 Gram Mass): 14 Minutes at 75°F/24°C

Tack Free Cure Time (30 mil Thin Film): 3 Hours at 75°F/24°C

Typical Properties

Property	Cure Time	ASTM Standard	Units	Sample Conditioning Temperature 75°F/24°C
Peak Compression Strength	7 day	D695	psi MPa	6,120 42.2
Compression Modulus	7 day	D695	psi MPa	106,400 733.6
Bond Strength Hardened to Hardened Concrete	2 day	C882	psi MPa	1,230 8.5
	14 day		psi MPa	1,640 11.3
Bond Strength Plastic to Hardened Concrete	14 day	C882	psi MPa	900 6.2
Water Absorption	24 hours	D570	%	0.41
Linear Coefficient of Shrinkage	—	D2566	%	0.00015

For technical information call 800.992.2424 or 203.743.4447

For product sales: CT 800.442.3424, CA 800.771.8161

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Typical Cured Properties @ 77°F/25°C

Tensile Strength, psi (ASTM D 638).....	3045
Tensile Modulus, psi (ASTM D 638).....	308,000
Elongation at Break, % (ASTM D 638).....	2.4
¹ Service Temperature.....	approx. -20 to 140°F

Directions for the Two-Part Kit

1. Clean surfaces to be bonded. Both surfaces must be clean, dry and free of oil, grease or wax. Roughen nonporous surfaces with sandpaper or emery paper for hard materials.
2. Mix equal parts by volume and mix thoroughly. When mixed properly, the adhesive is concrete gray with no streaks.
3. Cover entire area.
4. Join parts together firmly. Squeeze out excess adhesive to form a thin glue line. A larger area will require more pressure. Hold parts together with clamps, weight or tape.
5. Remove excess adhesive promptly before adhesive hardens. Scrape with a putty knife. For best results, store between 40°F/4°C and 90°F/32°C

Directions for the Cartridge

1. Clean surface to be bonded. Both surfaces must be clean, dry and free of oil, grease or wax. Roughen nonporous surfaces with sandpaper or emery paper for hard materials.
2. Remove plastic cap and plug from the threaded end of cartridge.
3. Place cartridge into standard caulking gun.
4. Before attaching the nozzle, dispense enough material into a disposable container until both resin and hardener flow evenly.
5. Attached mixing nozzle to cartridge and dispense a small amount of material into same waste container until a consistent color with no streaks is obtained.
6. Cover entire area.
7. Join parts together firmly. Squeeze out excess adhesive to form a thin glue line. A larger area will require more pressure. Hold parts together with clamps, weight or tape.
8. Remove excess adhesive promptly before adhesive hardens. Scrape with putty knife. For best results, store between 40°F/4°C

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Clean Up

Always wear appropriate protective equipment such as safety glasses and gloves. Clean uncured material with a mild solvent. Cured materials can only be removed mechanically.

Safety Data Sheet (SDS) is available upon request.

¹The product is expected to remain stable for short term exposure to -40°F in minor repairs not including anchoring. Substrate preparation should include undercutting the perimeter. The substrate must be dry, contaminate-free. Remove any dust or loose debris prior to applying the epoxy repair. Place representative test patches or mock-up to ensure suitability.

LIMITATION OF LIABILITY AND REMEDIES: Manufacturer warrants that, at the time of shipment by the Manufacturer, this product is free from defect in material and manufacture. If the product is proved to be defective, the exclusive remedy, at Manufacturer's option, shall be refund of the purchase price or replacement of the defective product, provided written notice of the defect is given no later than one year after the date of shipment by the Manufacturer. Manufacturer shall not otherwise be liable for loss or damages whether direct, indirect, incidental or consequential, regardless of the legal theory asserted, including negligence and strict liability. **Manufacturer expressly disclaims all implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.**

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