

MS-907 XPlus EPOXY ADHESIVE SYSTEM

Description:

MS-907 Plus is a multi-purpose rapid cure, 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 XPlus is a two-part, equal volume, room temperature curing system, available in a 4 oz syringe kit. Fast set-up time. Perfect for in-plant and field use. It has an application temperature range between 40°F/4°C and 110°F/43°C.

Advantages:

- Rapid initial 3-hour cure at 75°F/24°C
- Moisture insensitive system and may be used on damp surfaces
- Non-sag patching material for cracks
- Ideal for overhead and vertical repairs
- RoHS2 & RoHS3 Compliant

Ratio & Cure

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

Mixed: Gray

Mix Ratio: 1:1 by volume

Gel Time (60 Gram Mass): 26 Minutes at 75°F/24°C; 65 Minutes at 40°F/4°C

Typical Properties

Property	Cure Time	ASTM Standard	Units	Sample Conditioning Temperature 75°F/24°C
Compressive Strength	7 day	D695	psi MPa	12,720 87.7
Compression Modulus	7 day	D695	psi MPa	689,400 4,815
Bond Strength Hardened to Hardened Concrete	2 day 14 day	C882	psi MPa psi MPa	2,450 16.9 2,910 20.1
Bond Strength Plastic to Hardened Concrete	14 day	C882	psi MPa	1,780 12.3
Heat Deflection Temperature	7 day	D648	°F °C	124 51
Water Absorption	14 day	D570	%	0.32
Linear Coefficient of Shrinkage	48 hr	D2566	%	0.00015

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.

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.

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.**