



FasMetal



FasMetal is a high-performance, fast curing 100% solids epoxy for emergency repairs.

FEATURES/BENEFITS

- Sets up in 5 minutes
- Functional cure in 1 hour @ 75°F
- Can be applied in temperatures as low as 40°F
- Convenient 1:1 mix ratio

RECOMMENDED APPLICATIONS

- Emergency repairs to breakers and transformers
- Patch holes and leaks in coal fuel lines
- Repair cracks in housing and pipes
- Rebuilds keyways and treads

Typical Physical Properties: Cured 7 days @ 75°F.		
Color.....	Grey	
Mixed Viscosity.....	Non-sag Putty	
% Solids By Volume.....	100%	
Cured Density.....	1.69 gm/cc	
Cured Shrinkage ASTM D2566.....	0.0093 in/in	
Specific Volume.....	17.2 in ³ /lb	
Pot Life @ 75°F (3/4 lb. mass.).....	4 minutes	
Compressive Strength ASTM D695.....	12,700 psi	
Adhesive Tensile Shear ASTM D1002.....	2,000 psi	
Cured Hardness Shore D ASTM D2240.....	90D	
Dielectric Strength, Volts/mil, ASD149.....	370	
Coverage.....	.69 sq. in./3/4lb @ 1/4"	
Temperature Resistance:	Wet	Not recommended
	Dry	250°F

Chemical Resistance: 7 days room temperature cure (30 days immersion at 75°F)

10% Sulfuric Acid	F	Toluene	F
10% Hydrochloric Acid	F	Ammonia	VG
Chlorinated Solvents	F	10% Sodium Hydroxide	F
Methanol	U	Kerosene	VG

KEY: VG = Very Good U = Unsatisfactory

Epoxies are very good in water, saturated salt solution, leaded gasoline, mineral spirits, ASTM #3 oil and propylene glycol. Epoxies are generally not recommended for long term exposure to concentrated acids and organic solvents. For immersion applications this product is not recommended.

PLEASE CONTACT FACTORY FOR OTHER CHEMICALS.

ITW Devcon, 30 Endicott St., Danvers, MA 01923

DIRECTIONS FOR USE.

Proper surface preparation is essential to the success and performance of any epoxy application. In all cases, the application surface should be clean, dry, free from oils, and rough.

1. Remove all oils, dirt and grease by means of a strong cleaner/degreaser (Devcon Cleaner Blend 300 is suitable for this process).
2. Roughen the surface by grit blasting (8-40 mesh grit) or grinding. A 3-5 mil profile is desired for most applications.
3. All abrasive preparation should be followed by another cleaning to remove any remnants from that process.
4. Ideal application temperature is 55-90°F. Under cold conditions, heating the repair area to 100-110°F is recommended.
5. Add hardener to resin and mix thoroughly with a screwdriver or putty knife until a uniform, streak-free consistency is obtained (about 4 minutes).

MIXING: Mix Ratio: Resin to Hardener: Weight 1.07:1, Volume 1:1

6. Spread mixed material over the repair area and work firmly into the substrate to ensure maximum surface contact.
7. To bridge large gaps or holes use fiberglass tape, expanded metal or mechanical fasteners.

CURE:

- Working time is 4-5 minutes @ 75° F.
- Functional (75%) cure is achieved in 1 hour @ 75° F.
- For maximum physical properties, heat cure for 4 hours @ 200°F after curing at room temperature for 2-1/2 hours.

PRECAUTION:

For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.

For technical assistance, please call 1-800-933-8266

Warranty:

Devcon will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

ORDERING INFORMATION:

<u>Stock No.</u>	<u>Unit Size</u>
10780	3/4 lb. cans

2/22/99