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# Flow-Mix<sup>®</sup> Cold Weld Epoxy

## Technical Data Sheet

Rev 1020

**PRODUCT DESCRIPTION:** State-of-the-art syringe automatically mixes epoxy hardener and resin during application. Eliminates hand mixing, messy clean up and the difficulty of applying to your surface. Comes with two Instant-Mix nozzles.

**WORKS BEST ON:** Works best on steel, copper, aluminum, bronze, metal and iron. Does not bond to polyethylene or polypropylene plastics.

### PRODUCT FEATURES:

Tensile Strength: 1,500 psi

Color: Grey

Water Resistant

Working Time: 4 – 5 Minutes

Set Time: 8 – 10 Minutes

Can be Handled In: 15 Minutes

Full Bond: 1 Hour

Temperature Range: 40°F to 200°F (Temperatures below 40°F (5°C) slows the curing time)

Chemical Solvent Resistance: automotive fluids such as gasoline, diesel and kerosene.

Storage: Store in a cool, dry environment.

**SURFACE PREPARATION:** Protect work area from accidental spills. Slightly roughen repair area. Clean surface by solvent-wiping to remove grease, oil, dirt or other contaminants. For best results, surface to be repair should be above 32°F.

**REMOVAL METHODS:** (test inconspicuous area of item to be sure chemicals do not harm surface)

**Before epoxy is allowed to dry,** remove excess immediately with damp cloth. Can also use mineral spirits or isopropyl alcohol.

#### After cure:

**Metal/Ceramic/Glass:** Soak in hot water, if possible. Heat in excess of 350°F, this will weaken the bond. Solvents that can be used: isopropyl alcohol, acetone, methylene chloride or other solvent.

**Fabric: Before epoxy cures,** immediately flush fabric with warm water or wipe with a damp cloth. Once epoxy is cured, it is not possible to remove it from the fabric.

**HELPFUL HINTS:** Heat is generated while the epoxy mixture cures; the more epoxy and hardener that is mixed together.

Equal portions of the hardener and resin must be thoroughly mixed together in order for this product to cure properly. The most common problem with a two-part epoxy product is not mixing it thoroughly; it will not cure and will remain tacky. It is recommended that these epoxies be mixed on a clean surface (such as a paper cup, in the inside of the blister it is packaged on or etc.); do not mix it directly on the surface to be repaired. Once the product is thoroughly mixed, it can be applied to the repair area(s). *Please note, during the mixing process, be sure to scrape the sides and bottom into the mixture so that you are mixing all of the epoxy resin and hardener together.*

Have the repair area ready before mixing the epoxy hardener and resin together, so that you can begin repair as soon as the pouch contents are thoroughly mix.

For larger repairs, multiple kits may be used; however, you will need to work with one kit at time.

Removable tape is good for putting on an area that you don't want any adhesive/epoxy to get on. Before the epoxy cures, remove the tape.

**See MSDS for more complete information, safe handling instructions and first aid.**

Non-Regulated

Part Number(s): 24445, 46229



The technical data contained herein are intended as a reference only