



Dampney Protective Coatings



Lab-metal[®] One-part metal repair and patching compound

Description

Lab-metal is a ready-to-use, aluminum-filled repair and patching compound. Spreads like paste, hardens into metal. Adheres to metal, wood, plastic, glass, fiberglass, and more. Apply right from the can. No mixing of two parts, no measuring or heat required. Lab-metal can be milled, drilled, tapped, ground and sanded smooth. Will not shrink or crack. Water resistant, rustproof. Withstands heat to 350°F (up to 425°F for single exposures no longer than 20 minutes).

Recommended Uses

Fixes and protects virtually any worn or damaged surface.

- Used by plants, factories, plating shops, powder coaters, machine shops, DIY, foundries, pattern shops, OEMs, shipyards, marinas, boatyards, refineries, metal fabricators, ornamental metal workers, plumbers, auto restorers, HVAC, contractors and repair shops.

Features

- Withstands heat to 350°F (up to 425°F for single exposures no longer than 20 minutes)
- Excellent adhesion
- Excellent weather and abrasion resistance
- Ready-to-use formulation; no mixing or measuring or heat required.
- Doesn't peel or flake
- May be thinned for brush and spray applications
- Can be milled, chiseled, drilled, sawed, tapped, machined, ground, sanded and filed
- Will not shrink, chip, crack or peel and may be sanded to a feather edge

Surface Preparation

For best results, surface should be clean and dry (clean with Lab-solvent). Roughen surface to achieve optimal adhesion.

Application

Spread with putty knife. Thin with Lab-solvent to brush or spray.

Application temperature range: Room temperature during application and drying time.

Thinning

Thin with Lab-solvent.

Drying Time

Brush and spray applications dry very quickly. The depth of the application determines drying time. Under normal conditions, 1/16 inch will harden in one to two hours; 1/8 inch will harden in three to four hours; 3/8 inch will harden in four to six hours.

Storage

Store in dry place at room temperature. For extended storage, add a capful of Lab-solvent to the unused Lab-metal and cover tightly after use.

Packaging

Available in the following sizes:

- 6 oz. (¼ pint can)
- 12 oz. (½ pint can)
- 24 oz. (pint can)
- 48 oz. (quart can)
- 192 oz. (gallon can)
- 960 oz. (5-gallon can)

TECHNICAL DATA

Lab-metal	
Description	Ready-to-use aluminum filled repair and patching compound. Single component dent and body filler / sealer.
Color	Metal gray. Aluminum when buffed.
Adhesion	Excellent adhesion to clean, dry surfaces of metal, hard plastics, and glass. Lab-metal may not be used as an adhesive.
Hardness	81 on Shore D scale
Coefficient of Linear Expansion	15 x 10 ⁶ inch / inch per °F
Strength	Tensile: 650 lb. / sq. in. Compressive: 20,000 psi Water: 50 psi
Specific Gravity	1.95 at 75°F
Weight	Cubic inch: 31.2 grams or 1.10 oz.
Heat Resistance	-40°F to 350°F (and single exposures to 425°F for no longer than 20 minutes)
Chemical Resistance	Not affected by mild acids, gasoline, petroleum, petroleum solvents, oil or L.P. gas. Alkalis will attack Lab-metal slowly, but only after extensive immersion.
Combustibility	Will not support combustion.
Conductivity	A nonconductor at normal voltage. Not considered an insulator. Accepts ground for powder coating.
Thermal conductivity	Est. 1-2 BTU per sq. ft., per hr., per °F
Mechanical Properties	Strong and durable. Can be milled, sawed, drilled, tapped, sanded, ground, filed. Does not shrink, chip, crack or peel.

WARRANTY

Dampney protective coating products are expressly warranted to meet applicable technical and quality specifications. The technical data contained herein are accurate at the date of issuance but are subject to change without prior notification. No warranty of current accuracy is hereby given or implied. User must contact Dampney to verify correctness before ordering. Dampney assumes no responsibility for coverage, performance or injuries resulting from handling or use and **LIABILITY, IF ANY, SHALL BE LIMITED TO PRODUCT REPLACEMENT.** In no event will Dampney be responsible for consequential damages, except insofar as mandated by law. Dampney **DISCLAIMS ALL OTHER WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**