

Technical Data	Lab-Metal
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Lab-Metal

Product Description:

Lab-Metal is ready-to-use right from the can. Aluminum filled repair and patching compound. Single component dent and body filler.

Physical Properties

Color	Metal gray.
Adhesion	Excellent adhesion to clean, dry surfaces of metal (aluminum, steel, stainless, brass, bronze, cast iron, copper, lead...), wood, hard plastic, and glass. No heat needed; hardens upon exposure to air. Please note: Lab-metal will not bond two parts together; Lab-metal requires air in order to dry.
Hardness	81 on Shore D scale
Coefficient of Linear Expansion	15 x 10 ⁻⁶ inch/inch per °F
Strength	Tensile: 650 lbs./square inch Compressive: Approx. 20,000 psi Water pressure: 50 psi
Specific gravity	1.95 at 75°F
Weight	One cubic inch: 31.2 grams or 1.10 oz.
Heat resistance	When dry and hard, withstands temperatures to 350°F and is not affected by cold to -40°F. Withstands higher temperatures (up to 425°F) if heat exposure is less than 20 minutes. (For prolonged higher temperatures, Hi-Temp Lab-metal is available.)
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	Dry and hard material will not support combustion.
Conductivity	A non-conductor at normal voltage. Not considered an insulator. Accepts ground for powder coating.
Thermal Conductivity	Est. 1-2 BTU per sq. ft., per hour, per °F.
Mechanical Properties	Strong and durable. Can be milled, sawed, drilled, tapped, sanded, ground, filed. Does not shrink, chip, crack or peel, and is easily feather edged. Can be painted without lifting paint.
Drying time	Dependent upon thickness of application. Under normal conditions, a 1/16" application hardens in 1-2 hours. A 1/8" application hardens in 3-4 hours at ambient temperatures. Brush or spray applications (Lab-metal thinned with Lab-solvent) dry very quickly.
Shelf life	Two years in factory-sealed can. For extended storage, add Lab-solvent as instructed. Store in a cool place.

Manufactured in: USA

Supplied by: FITCON (S) PTE LTD

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