

THERMO-FILL™

HIGH TEMPERATURE TWO-PART TITANIUM REINFORCED EPOXY PUTTY



Description

Thermo-Fill™ is a two-part, titanium-reinforced epoxy putty. It is designed to bond and repair materials that will be exposed to high temperatures for use in a variety of industrial maintenance applications. Thermo-Fill contains no solvents, is non-toxic and easily prepares for application. Unlike liquid epoxies, Thermo-Fill will not drip or sag and cure on wet surfaces. When fully cured, the material produces a durable, resilient bond resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

Mechanical Properties

Test	Method	Result
Compressive Strength	ASTM D695	8,000 psi (551.5 bar)
Hardness, Shore D @ 75°F (24°C)	ASTM D2240	80
Lap Shear	ASTM D1002	750 psi (17.2 bar) @ 150° F (66° C)
Dielectric Strength	ASTM D149	300 volts/mil
Electrical Resistance	ASTM D257	30,000mega-ohms

Typical Applications

- Fills corrosion voids
- Designed for high temperature applications

Benefits

- High temperature resistance
- No shrinking or pulling away
- No drips or mess
- No tools required

Physical Properties

Working Life:

1.5 to 2 Hours at 75°F (24°C)

Service Temperature:

Continuous:

-40° to 450°F (-40° to 232°C)

Intermittent:

-40° to 500°F (-40° to 260°C)

Density: 16.5 lb/gal (1.90 g/cm³)

Solids Content: 100%

Shelf Life: 12 Months with recommended storage conditions



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