

THERMO-FILL™

HIGH TEMPERATURE TWO-PART TITANIUM REINFORCED EPOXY PUTTY

Description Thermo-Fill™ is a two-part, titanium-reinforced epoxy putty designed to bond and repair materials that will be exposed to high temperatures. Thermo-Fill contains no solvents, is non-toxic and easily prepares for application in a variety of industrial maintenance applications. Unlike liquid epoxies, Thermo-Fill will not drip or sag. When fully cured, it 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	Property	Typical Test Value
	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

Warranty Neptune Research Inc. (NRI) NRI® is a registered trademark, while Thermo-Fill™ is a trademark of NRI. NRI utilizes a process of continuous product improvement for all of our products. While we do strictly adhere to our products' specifications, we routinely implement product improvements. Therefore, please contact your local NRI distributor or office for the most current product specifications. NRI warrants the quality of this product when used according to directions. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement. THF DS 0214

