

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 will set on wet surfaces.

Mechanical Properties *

| Test | Method | Result |
|-----------------------|------------|-------------------------------------|
| Compressive Strength | ASTM D695 | 8,000 psi (551.5 bar) |
| Hardness, Shore D | 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 properties for information only; not for specification purposes.

Typical Applications

- Repairs most metals
- Equipment tools
- Stripped threads
- Blow holes
- Patterns
- Castings
- Molds & ductwork

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

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

Chemical Resistance

Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.



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