**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**

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

*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.