

# SYNTHO-STEEL™

## TWO-PART STEEL REINFORCED EPOXY PUTTY



### Description

Syntho-Steel™ is a two-part, steel reinforced epoxy putty. It cures in minutes and can repair most anything made of metal, masonry, wood, ceramic, glass and plastic. Syntho-Steel contains no solvents, is non-toxic and easily prepares for application. Unlike liquid epoxies, Syntho-Steel will not drip or sag and can be applied on wet surfaces. NSF 61 and BS6920 approved for use with potable water. 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
Hardness, Shore D @ 75°F (24°C)	ASTM D2240	80
Lap Shear	ASTM D3163	900
Compressive Strength	ASTM D695	12,000 psi (827.3 bar)
Dielectric Strength	ASTM D149	300 volts/mil

\* Typical properties for information only; not for specification purposes.



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### Typical Applications

- Repair leaking water pipes
- Seals leaks in oil and water tanks
- Plug holes and seals
- Fill corrosion voids
- Designed for low pressure leaks

### Physical Properties

Service Temperature:

Continuous: 250°F (121°C)

Intermittent: 300°F (149°C)

Density: 2.2 lb/gal, 18.5gm/cm<sup>3</sup>

Electrical Resistance: 30,000mega-ohms

Solids Content: 100%

Shelf Life: 24 Months with recommended storage conditions

