

HY-POXY SYSTEMS, INC.  
**TECHNICAL DATA SHEET**

**STEELFAST® STEEL PUTTY STICK- H-159**

**PRODUCT:** H-159 Steel-Filled Epoxy Putty Repair Kit Stock Number 00159

**DESCRIPTION:** STEELFAST is a kneadable, steel-reinforced, epoxy putty adhesive sealant that mixes in just one minute to provide fast repairs to items made of ferrous and aluminum metals.

**APPLICATIONS:** Molds like clay and universally used for repairing pipes, tanks, valves, pumps, engine blocks, water jackets, radiators, etc. A permanent, non-shrinking metallic filler for blow holes in castings. Widely used for fast, inexpensive, but accurate drill jigs and placement fixtures.

<b><u>PHYSICAL PROPERTIES:</u></b>	
Color	Dark Grey
Pot Life 1 lb. @ 24°C (75°F)	3.5-5 minutes
Mixed Viscosity	350,000 cps
Cure Shrinkage	0.0005 in/in
Temperature Resistance	250°F (121°C) Continuous
Hardness (Shore, ASTM D 1706)	75-85D
Compression Strength (ASTM D 695)	12,000 psi
Lap Shear Tensile Strength (ASTM D 1002)	800-1000 psi
Dielectric Strength (ASTM D 149)	300 volts/mil

<b><u>CHEMICAL RESISTANCE:</u></b>	
Hydrochloric Acid 10%	Very Good
Hydrochloric Acid 50%	Good
Sulfuric Acid 10%	Very Good
Sulfuric Acid 50%	Good
Water	Very Good
Ammonia	Very Good
Sodium Hydroxide 10%	Very Good
Gasoline, Oil, Kerosene	Very Good
Mineral Spirits	Very Good
Toluene	Good
Methanol	Fair
MEK	Fair
Propylene Glycol	Very Good

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**DIRECTIONS:** Surfaces must be clean, dry, and preferably roughened for maximum adhesion.

Twist or cut off required amount. Mix with your fingers thoroughly, making certain that all of the hardener comes in contact with all of the resin. Apply the mixed compound within 2 minutes of mixing. Force into any cracks or holes to be filled and strike off excess material, preferably with a tool wetted with clean water.

**CURING TIME:**

**TEMPERATURE**  
75°F (24°C)

**WORKING TIME**  
3-5 Minutes

**FULL CURE TIME**  
24 Hours

**NON-WARRANTY:** We can accept no responsibility or liability for lack of results because the storage, handling, and application of the compound is beyond our control.

H-159 STEELFAST® STICK TDS