



HYPOXY STEEL FAST STICK

RAPID CURE STEEL PUTTY STICK

PRODUCT: H- 159, 4 Oz/ 114 gms Pack.

DESCRIPTION: STEELFAST STICK 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. The epoxy formulation is filled with carefully selected pure steel Fillers, modified curing agents, and special high quality additives to provide maximum strength, durability, and ease of application. Easily machineable with standard metalworking tools.

APPLICATIONS:

HYPOXY STEEL FAST STICK 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. Hardens to a gray metallic mass in 4 minutes time and adheres soundly to almost every material including vertical surfaces.

HYPOXY STEEL FAST STICK also adheres & bond on oily surfaces as well which makes it most suitable to arrest online oil leakages from Transformers, Gear Boxes, Flange Joints etc..

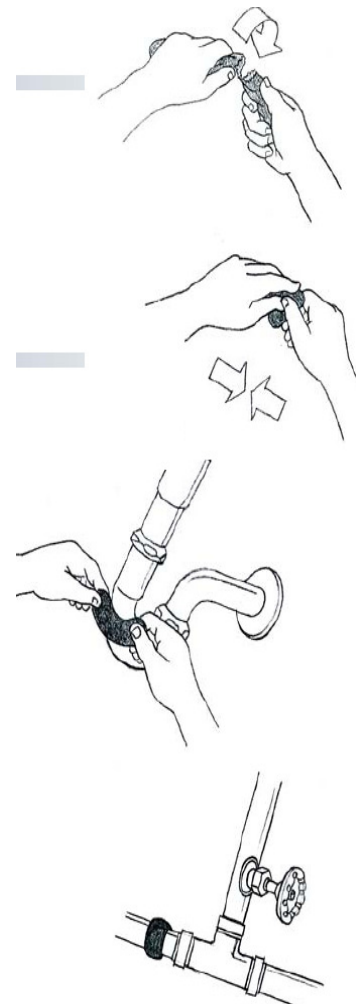
STEEL FAST STICK is unaffected by water, oil and gasoline and widely used by professional tradesman worldwide.

STEEL FAST STICK cured deposit can be machined, sanded, drilled and tapped which makes it a popular choice for automotive, plumbing and HVAC repairs.



PHYSICAL PROPERTIES:

Color -:	Dark Grey
Pot Life 1 lb. @ 24°C (75°F) -:	3.5 to 5 minutes
Mixed Viscosity -:	350,000 cps
Cure Shrinkage -:	0.0005 in/in
Temperature Resistance -:	250°F (120°C) Continuous
Hardness (Shore, ASTM D 1706) -:	75 to 85D
Compression Strength (ASTM D 695)	12,000 psi Tensile
Adhesive Tensile Shear (ASTM D 1002) -:	800 - 1000 psi
Dielectric Strength (D 149) -:	300 Volts / mil



CHEMICAL RESISTANCE:

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



TYPICAL APPLICATIONS -:

1. REPAIRING A CRACKED ENGINE BLOCK

- a. Clean, dry and roughen the area around the crack.
- b. Thoroughly mix HY-POXY® STEEL FAST STICK as instructed on the packaging.
- c. Spread the HY-POXY® STEEL FAST STICK over the crack and surrounding area

For a larger gap or hole follow the same procedure but attach a wire or fibreglass screen across the gap as a backing for the HY-POXY® STEEL FAST STICK.

**The savings by using HY-POXY® STEEL FAST for this repair are at least the cost of a new block!

2. Fill a blow hole in a casting.

- a. Clean and dry the cavity as much as possible.
- b. Thoroughly mix the HY-POXY® STEEL FAST STICK as instructed on the packaging.
- c. Fill the blow hole to slightly above the surface of the hole.
- d. After the putty hardens, it can be filed or machined off flush with the surrounding surface.



DIRECTIONS FOR USE :

-Surfaces must be clean, dry, and preferably roughened for maximum adhesion if possible with file or sand paper. Do not touch the surface after they have been prepared.

-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.

PL CALL IN YOUR LOCAL AUTHORISED DEALER TO GET FULL ADVANTAGE OF PRODUCT TRAINING AND KNOW HOW TO MAKE MORE USE OF HY POXY PRODUCTS



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