



HYPOXY WEAR RESISTANCE PUTTY

PRODUCT: H-500 1Lb (454Gms) Pack

DESCRIPTION: A two component, room temperature curing wear resistant epoxy compound Formulated with epoxy resins, highest quality additives, internal lubricants and modified curing agents. A trowel applied composite designed for rebuilding and coating surfaces exposed to wet or dry particle abrasion, friction, erosion and cavitation from fast moving liquids. Formulated with abrasion resistant ceramic fibers in various pre-calculated shapes and sizes, the unique chemistry produces a coating with ultra high compressive strengths to provide heavy and excellent adhesive strength. Highly resistant to corrosive attack and is heat resistant to 500°F(260°C). It provides Excellent chemical resistance too.

APPLICATIONS:

OUTSTANDING EROSION / CORROSION RESISTANCE

REPAIR DAMAGED COMPONENTS – PROTECTS NEW EQUIPMENTS

HYPOXY WEAR RESISTANCE PUTTY is Trowel grade High Performance Polymer Composite for resurfacing and protecting all types of fluid flow components from aggressive erosion and corrosion damage. It is designed for coating new and worn surfaces exposed to wet or dry particle abrasion, entrainment, frictional wear, erosion, cavitation and corrosion.

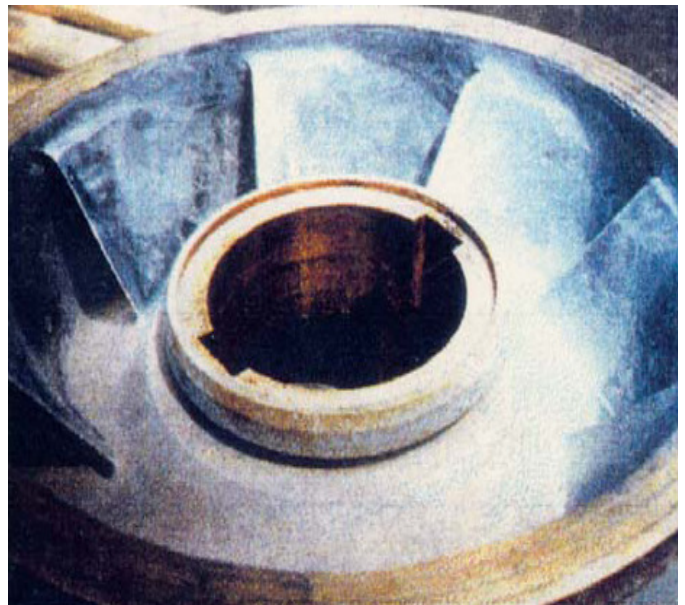
It offers best solution to protect Ball and Gate Valves, Bearing Surfaces, Valve Stem, Pump Cases, Feed Chutes, Liners, Slurry Lines, Pipe Elbows, Mixing Equipment Paddles, Feed Screws, Worn Shafts, Fan Blades, Ship Hull & Propeller Maintenance, Lining Tanks, Augers Cyclones, Impellers, Hoppers, Surfaces Too Thin To Be Welded and other metal surfaces against corrosion, abrasion and harsh chemicals.

It is most suitable to provide high erosion / abrasion resistance coatings on Pipes, Pumps, Chutes, Deflector Plates, Cyclones Separators, Vibratory Feeders etc.

It is preferred by Maintenance Engineer's for repair & protecting coating on valves, slurry lines, feed screws, flue gas scrubbers, demineralizing beds, vacuum pumps, salt spreaders, exhaust fans, fertilizer dryers, impellers and chemical tanks.

PHYSICAL PROPERTIES:

Color -:	Dark Grey.
Pot Life 1 lb. @ 24°C (75°F) -:	45 minutes
Viscosity -:	Non Sagging Paste.
Temperature Resistance -:	250 °F (121°C)
Hardness (Shore, ASTM D 1706) -:	85D
Coverage -:	1 Lb covers 128 sq.inch @ 1/8 Inch thickness
Density -:	16 cu. in. per Lb
Compressive Strength N/mm2 (ASTM D 695) -:	70
Adhesive Tensile Shear (ASTM D 1002) -:	2332 psi
Di Electric Strength -:	16 KV / mm.



CHEMICAL RESISTANCE:

Hydrochloric Acid 10%	Excellent
Hydrochloric Acid 50%	Excellent
Sulfuric Acid 10%	Excellent
Sulfuric Acid 50%	Excellent
Water	Excellent
Ammonia	Excellent
Sodium Hydroxide 10%	Excellent
Gasoline, Oil, Kerosene	Excellent
Mineral Spirits	Excellent
Toluene	Good
Methanol	Fair
MEK	Fair
Propylene Glycol	Excellent
Brake Fluid	Excellent
Ethanol	Excellent
Trisodium Phosphate 5%	Excellent
Sodium Hypochlorite (Bleach)	Excellent



SURFACE PREPARATION :

Surfaces must be clean, dry, and preferably roughened for maximum adhesion. Proper surface preparation is critical to the long term performance of this product. The exact requirements for surface preparation vary with the severity of the application, expected service life, and the initial substrate condition.

Optimum preparation will provide a surface thoroughly cleaned of all contaminants and roughened to an angular profile between 75-125 microns (3 to 5 mils). This is normally achieved by initial cleaning, followed by abrasive blasting to a cleanliness of white metal (SA3 / SSPC-SP5) or Near White Metal (SA 2 ½ SSPC SP 10) followed by rinsing with an organic solvent which evaporates leaving no film residue. Grinding or machining to a rough surface profile followed by rinsing with solvent is acceptable although a subsequent lowering in adhesion may result.

MIXING & APPLICATION:

Surface preparation is critical. Surfaces must be clean, dry, and preferably roughened for maximum adhesion.

Add all of the hardener to all of the resin in the resin container.

For smaller portions, dole out 1 part hardener to 4 parts resin by volume or 9 to 1 by weight.

Mix thoroughly for at least 6 minutes, making certain that all of the hardener comes in contact with all of the resin.

While mixing be sure to scrape the sides and bottom of the container.

Apply the mixed compound with putty knife, spatula, or similar tool. The tool may be moistened with water to provide a smooth finish.

COVERAGE: 1lb. covers approximately 128 square inches at 1/8" thickness.

WORKING LIFE AND CURING TIMES:

At 75°F (24 °C) a 1/8" (3mm) layer of Wear Resistant will be useable in approx. 4 hours. FULL cure times as follows:

TEMPERATURE	(POT LIFE) WORKING TIME	FULL CURE TIME
60°F (16 °C)	90 MINUTES	32 HOURS
75°F (24 °C)	45 MINUTES	16 HOURS
85°F (30 °C)	25 MINUTES	8 HOURS

SAFETY :

Before using any product, review the appropriate Material Safety Data Sheet (MSDS). Follow standard confined space entry and work procedures, if appropriate.

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



HY-POXY SYSTEMS INDIA PVT LIMITED

NEW DELHI – 110075. INDIA.

Mobile :- +91 9810247468, +91 9810352249

Tel. :- +91 11 28082018, Fax :- +91 11 45629850

E mail :- salesindia@hypoxy.com

Web site :- www.hypoxy.com

