



# HYPOXY STAINLESS STEEL PUTTY

**PRODUCT:** H-800 1Lb (454 gms ) Pack.

**DESCRIPTION:** A two-component epoxy formulation highly filled with carefully selected Stainless steel Fillers, modified curing agents, and special high quality additives to provide maximum strength, durability, and ease of application. Will adhere to vertical surfaces and is easily machineable with standard metalworking tools. Will not rust or corrode.

## APPLICATIONS:

HYPOXY STAINLESS STEEL PUTTY hardens to a metallic grey mass and adheres soundly to all metal & non metal surfaces.

A permanent, non-shrinking Stainless Steel filler for repair of blow holes in castings. Ideal for building up metal surfaces. This easy to mix and apply putty is used for repairing stainless steel piping, tanks, vats, machinery and equipment. It is very popular in the food industry especially for re-building food processing equipment.

HYPOXY STAINLESS STEEL PUTTY is especially formulated for patching, repairing and rebuilding stainless steel food processing equipment

Acceptable for use in Meat & Poultry plants.

It is unaffected by water, oil and gasoline.

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



## PHYSICAL PROPERTIES:

Color -:	Mettalic Grey
Pot Life 1lb @ 24°C (75°F) -:	45 minutes
Viscosity -:	Non-sagging Paste
Mixed Viscosity -:	350,000 cps
Cure Shrinkage -:	0.0005 in/in
Temperature Resistance -:	250 °F (121°C)
Hardness	
(Shore, ASTM D 1706) -:	85D
Cured Density -:	11.9 cu. in. per lb.
Coefficient of	
Thermal Expansion -:	65 X 10 <sup>-6</sup> cm/cm/°C
Compression Strength	
(ASTM D 695) -:	8,100 psi (59 M Pa)
Tensile Strength	
(ASTM D 638)-:	4,100 psi (24 M Pa)
Adhesive Tensile Shear	
(ASTM D 1002) -:	2410 psi
Compression Modulus	
(ASTM D695)-:	2.70 X10 <sup>5</sup> psi (1.8 X 10 <sup>3</sup> M Pa)
Thermal Conductivity	
(ASTM C 177) -:	1.37 X 10 <sup>3</sup> cal-cm/sec.cm <sup>2</sup> °C
Dielectric Strength	
(ASTM D 149)-:	30 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



#### **DIRECTIONS:**

Surfaces must be clean, dry, and roughened for maximum adhesion.

#### **MIXING :**

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

For smaller portions, dole out 1 part hardener to 3 parts resin by volume (1 to 9 parts by weight).

Mix thoroughly for 5 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 to the HY-POXY.

Thicker layers harden faster than thinner layers. This chemical hardening incurs negligible shrinkage in sharp contrast to air drying compounds which shrink and lose much of their strength when the volatile materials evaporate.

Hardening of H-800 is accelerated by exposure to heat, whether it be higher room temperature, hot sun, or a heat lamp. A direct flame should not be used.

After hardening, H-800 can be drilled, tapped, filed, sawed, or machined just like metal.

#### **COVERAGE:**

1lb. covers approximately 140 square inches at 1/8" thickness.

#### **CURING TIME:**

At 75°F (24°C) a 1/2" (12.5mm) layer of HY-POXY Wet Surface putty will be hard in approximately 45 minutes. FULL cure times are as follows:

#### **TEMPERATURE**

60°F (16°C)

75°F (60°C)

90°F (32°C)

#### **WORKING TIME**

90 Minutes

45 Minutes

25 Minutes

#### **FULL CURE TIME**

32 Hours

16 Hours

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**



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