



HYPOXY WET SURFACE PUTTY

PRODUCT: H-600 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 a WET SURFACE as well as to vertical surfaces and is easily machineable with standard metalworking tools. Will not rust or corrode.

APPLICATIONS:

HYPOXY WET SURFACE PUTTY hardens to a gray metallic mass and adheres soundly to wet & humid surfaces. This specially formulated putty will adhere to a wet surface.

The H-600 is developed for underwater repairs which make it a great tool for repairing & fixing uprooted tiles in the swimming pool in under water & highly humid environment where it is impossible to completely dry the surface in need of repair.

HYPOXY WET SURFACE PUTTY is especially formulated for EMERGENCY repair IN INSITU CONDITION the valves, pumps, castings, water jackets, radiators, Pipe, Tanks etc.

HYPOXY WET SURFACE PUTTY is unaffected by water, oil and gasoline.

HYPOXY WET SURFACE 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 -:	Dark 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 ⁻⁶ 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)
Flexual Strength	
(ASTM D790) -:	6,300 psi (43 M Pa)
Compression Modulus	
(ASTM D695)-:	2.70 X10 ⁵ psi (1.8 X 10 ³ M Pa)
Thermal Conductivity	
(ASTM C 177) -:	1.37 X 10 ³ cal-cm/sec.cm ² °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 preferably 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 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 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-600 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-600 can be drilled, tapped, filed, sawed, or machined just like metal.

COVERAGE:

1lb. covers approximately 190 square inches at ¼" thickness.

CURING TIME:

At 75°F (24°C) a ½" (12.5mm) layer of HY-POXY Wet Surface putty will be hard in approximately 40 minutes. FULL cure times are as follows:

TEMPERATURE	WORKING TIME	HARDENING TIME	FULL CURE TIME
60°F (16°C)	90 Minutes	12 Hours	32 Hours
75°F (60°C)	40 Minutes	4 Hours	16 Hours
90°F (32°C)	25 Minutes	2 ½ 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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