



HYPOXY ALUMINIUM LIQUID

FLOWABLE EPOXY LIQUID WITH ALUMINIUM FILLERS

PRODUCT: H- 411 3Lb (1.36 Kg) Pack.
H-412 15Lb (6.8 Kg) Pack

DESCRIPTION: A two-component epoxy formulation highly filled with carefully selected pure Aluminium Fillers, modified curing agents, and special high quality additives to provide maximum strength, durability, and ease of application. Will easily pourable to reach intricate parts & difficult to reach and is easily machineable with standard metalworking tools.

SPECIAL FEATURES : **Low viscosity, self-leveling liquid**
Castable.
Very Low shrinkage
Non Corroding & Low Specific Weight.
Machinable to metallic finish

APPLICATIONS:

HYPOXY ALUMINIUM LIQUID hardens to a gray metallic mass and adheres soundly to almost every material.

HYPOXY ALUMINIUM LIQUID gives a permanent, non-shrinking Aluminium metallic filler, commonly used for building up metal surfaces, Repair machine bed foundations, Filling and leveling wear plate, machines, engines & heavy equipments, Repairing hard-to-reach areas where a flowable epoxy is needed, Widely used for fast, inexpensive, but accurate drill jigs and placement fixtures.

The low viscosity & Negligible shrinkage after curing makes HYPOXY ALUMINIUM LIQUID as preferred choice for use in making holding devices in heavy industries.

HYPOXY ALUMINIUM LIQUID is unaffected by water, oil and gasoline. ALUMINIUM LIQUID cured deposit can be machined, sanded, drilled and tapped which makes it a popular choice for automotive, plumbing and HVAC repairs.

HYPOXY ALUMINIUM LIQUID has infinite uses filling gaps and holes in industrial applications where a non-magnetic. Non Shrinking deposit & finish is desired.

IDEAL FOR REPAIRING AL CASTING, AL HEADS, HVAC PIPES, RADIATORS, TANKS, VALVES, PITTED AL WHEELS, OTHER AL PARTS & DIES.



PHYSICAL PROPERTIES:

Color -: Grey
Pot Life 1 lb. @ 24°C (75°F) -: 45 minutes
Viscosity -: Viscous Flowable Liquid.
Mixed Viscosity -: 190,000 cps
Cure Shrinkage % -: 0.002
Temperature Resistance -: -40°F (-40°C) TO 275°F(134°C)
Hardness (Shore, ASTM D 1706) -: 83D
Cured Density -: 17.5 cu. In. per lb.
Coefficient of Thermal Expansion-: 40 X 10- 6 cm/cm/°C
Compression Strength
(ASTM D 695) -: 8,600 psi (59 M Pa)
Tensile Strength
(ASTM D 638) -: 3,500 psi (24 M Pa)

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 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.

Add all of the hardener to all of the resin in the resin jar. For smaller portions, dole out 5 parts resin to 1 part hardener by volume (9 to 1 parts by weight).

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

Pour & 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.

Pour slowly allowing the material to flow outward. Do not pour back and forth as air entrapment results

CURING TIME: At 75°F (24°C) a ½" (12.5mm) layer of HY-POXY ALUMINIUM LIQUID will be hard in approx. 45 Minutes.

FULL cure times are as follows:

TEMPERATURE	WORKING TIME	FULL CURE TIME (Mechanical Loads)	FINAL HARDNESS
60°F (16°C)	90 Minutes	32 Hours	40 Hours
75°F (24°C)	45 Minutes	12 Hours	20 Hours
90°F (32°C)	25 Minutes	8 Hours	16 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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