



## ALUM-POXY

## ALUMINUM FILLED EPOXY STICK

### ● PRODUCT DESCRIPTION

Alum-Poxy is a two component hand kneadable non-rusting aluminum filled epoxy putty which can repair and rebuild anything made of aluminum. Alum-poxy cures to a aluminum light grey metallic color.

- After 60 minutes it can be sawed, drilled, carved, sanded, and painted.
- Resistant to water, chemicals and extreme temperature changes.
- No solvent or VOC.
- Non-flammable

\*Does not adhere to PP, PE, PTFE. Test for adhesion first.

### ● APPLICATION FIELDS

Repair of gutters, windows, aluminum sliding doors, boats, pipes, machine parts, wheels, tanks, castings, moulds, radiators and anything made of aluminum.

### ● CURING PROPERTIES

Working Time	5 – 7 min.
Functional Cure	60 min.
Full Cure	24 hours

### ● CURED PROPERTIES

Color	Light Metallic Grey
Hardness (Shore D)	80
Lap Shear Tensile Strength on Steel (1" x 1" x 1/16")	4.2 MPa
Lap Shear Tensile Strength on Aluminum (1" x 1" x 1/16")	3.5 MPa
Compressive Strength	55 MPa
Density	1.9 gm/cm <sup>3</sup>
Shrinkage	<1 %
Voc	0 %
Electrical Resistance	30,000 megohms
Dielectric Strength	300 volts/mil
Temperature Resistance	"Continuous -40°C to +120°C" "Peak -40°C to +150°C"
Chemical Resistance	Hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.



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### ● INSTRUCTION FOR USE

Cut off the required amount.

Knead by hand until see the uniform color.

Apply to surface to be repaired within 2 minutes of mixing. Push into any cracks or holes and strike off excess material. Push the mixed material with a clean water moistened tool.

### ● STORAGE AND SHELF-LIFE

Shelf life of Alum-Poxy is 24 months at 24°C.

