

QuikAluminum Epoxy Putty

Reinforced



EPOXY PUTTY STICK TECHNICAL DATA SHEET

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QUIKALUMINUM is a hand mixable, non-rusting, aluminum reinforced epoxy putty stick that mixes in just one minute to repair aluminum easily and efficiently. It comes in a handy two- and four-ounce concentric putty stick with the curing agent encapsulated in the contrasting color base material. The putty-like consistency eliminates drips and runs, providing “no mess” applications with no tools required for use. The cured product is not electrically conductive.

FEATURES & TYPICAL USES:

After proper mixing, **QUIKALUMINUM** may be used as an adhesive/sealant in many industrial and home maintenance applications including repairs of storm doors, windows, aluminum siding and aluminum boats, recreational vehicles, aluminum tanks, castings, pipes and 1,001 other uses.

SURFACE PREPARATION & APPLICATION:

Surface Preparation: In order to achieve optimum adhesion, surfaces should be clean and free of grease and dirt. Scuffing or sanding the surface prior to cleaning helps ensure a good bond. **Mixing:** Twist or cut off required amount. To mix, knead with fingers to a uniform color. If mixing is difficult, warm **QUIKALUMINUM** to room temperature or slightly above. Apply to the surface to be repaired within two minutes of mixing. Force into any cracks or holes to be filled and strike off excess material, preferably with a tool wetted with clean water. When applying to a damp, wet, or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect. For a smooth appearance of the cured compound, hand rub with water or a damp cloth prior to hardening. Remove excess material before hardening begins. After 5-10 minutes the epoxy will begin to form a tenacious bond. After just 60 minutes, **QUIKALUMINUM** can be drilled, sawed, carved, sanded, stained, or painted.

CAUTION:

May cause allergic skin reaction. May be an eye and skin irritant. Contains epoxy resin and amines. Avoid contact with eyes and prolonged contact with skin. For eye contact, flush with water for 15 minutes; call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting; call a physician. **KEEP OUT OF THE REACH OF CHILDREN.** Wash hands thoroughly after mixing the compound, or wear thin plastic or rubber gloves.

WARNING: When sanding cured putty or substrate, use protective eye wear and dust mask. Not intended for use in structural applications.

MANUFACTURED BY:

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FORM: QUIKALUM_TDS.DOC

REV.: 2 DATE: 11/08



FEATURES:

- Aluminum reinforced.
- Quick set up.
- Easy to use.
- Adheres to many substrates.
- Ideal for storm doors, boats, and other aluminum substrates.
- Paintable.

AVAILABLE SIZES & COLOUR:

- 7/8" diameter sticks
- 3-1/2" (2 oz.) length.
- 7" (4 oz.) length.
- Packed in a reusable clear plastic tubes
- Bulk packed in quantities of 24 sticks per case.
- **Available Colour:** Aluminum colour after cure.



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SPECIFICATIONS:

QUIKALUMINUM meets USDA requirements for use in federally inspected meat and poultry plants.

WARRANTY INFORMATION:

NUCO Inc., warrants only that its product will meet its specifications. NUCO shall in no event be liable for incidental or consequential damage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.

TYPICAL PROPERTIES:

These values are not intended for use in preparing specifications. Spec Writers; please contact NUCO Inc. before writing specifications if any further information is required.

Description	Specification
Work Life, minutes:	5 – 7
Shelf Stability @ 23°C (75°F) Months (minimum):	24
Hardness, Shore D (full cure, 24 HR), (ASTM D 2240):	75 – 85
Lap Shear Tensile Strength, ASTM D 1002:	
<i>On Aluminum (1" x 1" x 1/16"), lbs (full cure, 24 hours)</i>	400 – 600
<i>On Steel (1" x 1" x 1/16"), lbs (full cure, 24 hours):</i>	500 – 700
Compressive Strength, lbs/in (ASTM D 695):	12,000
Shrinkage, %, ASTM D 2566:	1
Non-Volatile Content, %:	100
Density, gm/cm (lb/gal):	1.6 (13.4)
Dielectric Strength, volts/mil, ASTM D 149:	300
Temperature Limitations, °F:	
Continuous:	121°C (250°F)
Intermittent:	160°C (320°F)
Chemical Resistance, UL 698:	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, and dilute acids and bases.

DISCLOSURE

The information and data contained herein is BASED ON INFORMATION WE BELIEVE TO BE RELIABLE. Please read all statements, recommendations or suggestions herein in conjunction with our CONDITIONS OF SALE which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as recommendation for any use which would infringe any patent or copyright.

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