

AquaMend Epoxy Putty

Wet Surface / Underwater



EPOXY PUTTY STICK TECHNICAL DATA SHEET

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AQUAMEND is a hand mixable, specialty epoxy putty that mixes in just one minute for repairs to damp, wet areas and underwater applications. It may be applied under water in either fresh or salt water and will bond tenaciously to many substrates such as fiberglass, metal, wood, concrete, ceramics, glass, etc. When applying **AQUAMEND** to damp, wet, or immersed areas it is necessary to work the material forcefully into the surface and apply pressure until adhesion begins to take effect. In immersed applications, cure rate is dependent upon the temperature of the water just as it is affected by the air temperature in non-immersed applications. The lower the temperature, the longer it takes to cure. **AQUAMEND** comes in a handy two or 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. **AQUAMEND** has 100% solids content, will not shrink, and is water insoluble. The mixed epoxy turns from an aquamarine color to “fiberglass white” after mixing and will not yellow upon exposure to U.V. After final cure **AQUAMEND** may be drilled, sawed, sanded, filed, tapped, machined, or painted.



FEATURES & TYPICAL USES:

After proper mixing, **AQUAMEND** molds like clay and may be used to patch dings, scratches, cuts, gouges and holes in fiberglass, metal, and wooden boat decks and hulls; to repair fittings pipes, electrical connections, leaking gaskets, water tanks, tubs, battery cases, sinks, spas, hot tubs, tanks and pools; and to form custom gaskets, etc. **AQUAMEND** is an excellent adhesive when making repairs with fiberglass tape. **AQUAMEND** is ideal for making emergency in-water repairs. The unused portion will remain stable for years if stored in its container at room temperature. **NO BOAT SHOULD BE WITHOUT AQUAMEND.**

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. For whitest color, use plastic gloves when mixing as oils from hands can discolor the cured product.

If mixing is difficult, warm **AQUAMEND** to room temperature or slightly above. Apply to the surface to be repaired within 15 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 20-30 minutes the epoxy will begin to form a tenacious bond. After just 45 minutes, **AQUAMEND** 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: AQUA_TDS.DOC

REV.: 2 DATE: 11/08

FEATURES:

- Quick set up.
- Easy to use.
- Adheres to many substrates.
- Ideal for underwater repairs.
- 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:** Fiberglass white in color after cure.



www.NuFlex.com

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SPECIFICATIONS:

AQUAMEND meets USDA requirements for use in federally inspected meat and poultry plants. It is also certified

- by American Bureau of Shipping (ABS).

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:	20 – 30
Shelf Stability @ 23°C (75°F) Months (minimum):	24
Hardness, Shore D (full cure, 24 HR), (ASTM D 2240):	65 – 75
Lap Shear Tensile Strength, ASTM D 1002:	
On Steel (1" x 1" x 1/16"), lbs	800 – 1000
On Fiberglass (1" x 1" x 1/16"), lbs	500
Compressive Strength, lbs/in (ASTM D 695):	10,000 – 14,000
Density, gm/cm (lb/gal):	1.9 (15.8)
Shrinkage, %, ASTM D 2566:	1
Non-Volatile Content, %:	100
Electrical Resistance, megohms, ASTM D 257:	30,000
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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