

## **AMTEC BONDALLOY CERAMIC EPOXY STICKS**

### **REINFORCED ALL IN ONE MULTI-PURPOSE EPOXY**

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**Amtec Bondalloy is a fast setting, industrial strength, malleable epoxy putty that can be used to rebuild, reshape, or repair practically anything in the industrial or home maintenance environment. After mixing, Bondalloy has a 2-5 minute work-life and an initial set time of 5-7 minutes. When fully cured, Bondalloy may be machined, ground, filed, drilled, tapped, threaded, and painted. It is safe for potable water. Bondalloy bonds to most surfaces, and best results will be achieved if the area is first roughened by sanding or filing to clean and prepare the surface. Bondalloy starts to harden 2 minutes after mixing, so the repair should be in place before hardening starts. A smooth finish can be obtained by rubbing with wet finger or damp cloth before hardening begins. This product is not recommended for polyethylene or polypropylene. Wash hands thoroughly with soap and water after using.**

#### **Directions:**

- For best results, clean and roughen bond area prior to application.**
- Twist or cut off required amount.**
- To mix, knead with fingers to a uniform color**
- Apply to surface to be repaired (within 2 minutes of mixing)**
- Force into any cracks or holes to be filled and strike off excess material.**
- 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 10 minutes, the epoxy will harden and form a tenacious bond.**

#### **Performance Data:**

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|--|----------------------|
| <input type="checkbox"/> <b>Working life (minutes)</b>   | <b>3-5</b>           |
| <input type="checkbox"/> <b>Shelf Stability (months @ 75°F, minimum)</b>   | <b>12</b>            |
| <input type="checkbox"/> <b>Non-volatile content (%)</b>   | <b>100</b>           |
| <input type="checkbox"/> <b>Shrinkage (%)</b>  | <b>&lt;1</b>         |
| <input type="checkbox"/> <b>Density (gm/cm<sup>3</sup>, lb/gal)</b>  | <b>1.9, 15.8</b>     |
| <input type="checkbox"/> <b>Hardness, Shore D (full cure, 24 hours)</b>  | <b>70-80</b>         |
| <input type="checkbox"/> <b>Tensile Shear Strength</b>   | <b>800-1,000 PSI</b> |
| <input type="checkbox"/> <b>Compressive Strength</b>   | <b>10-14,000 PSI</b> |
| <input type="checkbox"/> <b>Electrical Resistance (megohms)</b>  | <b>30,000</b>        |
| <input type="checkbox"/> <b>Dielectric Strength (volts/mil)</b>  | <b>300</b>           |
| <input type="checkbox"/> <b>Upper Temperature Limit (Continuous)</b>   | <b>250°F</b>         |
| <b>(Intermittent)</b>  | <b>300°F</b>         |
| <input type="checkbox"/> <b>Chemical Resistance: Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.</b> |                      |