

## QUICK REPAIR EPOXY PUTTY

### Description

Copperstick is a special epoxy putty that mixes in one minute to provide fast, permanent repairs. It may be applied underwater in wither fresh or salt water. Copper stick mould like clay and may be used to permanently repair fittings, pipes, electrical connections, leaking gaskets, fuel tanks, water tanks, fish boxes, tub battery cases, tanks and pools. Copper stick is an excellent adhesive when making repairs to car or wagon radiators. Epoxy can be machined, tapped, ground and drilled within 45 minutes of application.

<b>Resin</b>	Epoxy
<b>Temperature Limitations</b>	120°C continuous, 150°C intermittent
<b>Chemical Resistance</b>	Resistant to hydrocarbons, ketones, alcohols, esters, halo-carbons, aqueous salt solutions and dilute acids and bases.
<b>Electrical Resistance</b>	30.000 megohms
<b>Dielectric Strength</b>	300 volts/mil
<b>Shrinkage</b>	<1%
<b>Non-Volatile Content</b>	100%
<b>Compressive Strength</b>	84MN/m <sup>2</sup> – 12,000psi
<b>Shelf Life</b>	12 months minimum @ 25°C

<b>Initian Cure</b>	45 min
<b>Full Cure</b>	24 hours
<b>Lap Shear Tensile Strength (steel)</b>	4.8N/mm <sup>2</sup>
<b>Shore D Hardness (full cure)</b>	75
<b>Opening Time</b>	3.5 minutes

### Mixing

Twist or cut off required amount. To mix, knead with fingers to a uniform colour. If mixing is difficult, warmin hands until soft. In order to achieve optimum adhesion, surfaces should be cleaned, free of grease or dirt. Scuffing or sanding the surface prior to cleaning helps ensure a good bond.

Apply to the surface to be repaired (within 2 minutes of mixing). The mixed epoxy does not at this point exhibithigh bond strength, but appears to be merely lying on the surface. 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 Alu-Stick can be drilled, sawn, carved, sanded, stained or painted.

### Storage

Store in cool conditions, preferably away from direct sunlight or excessive heat. Shelf life at least 12 months at 25°C.

### Health and Safety

**IRRITANT:** CopperStick contains epoxy resin and may cause skin irritation in sensitive individuals. Unnecessary skin contact should therefore be avoided. If skin contact occurs, wash with a proprietary hand cleanser, followed by washing with soap and water. In case of eye contact, flush with clean water for at least 15 minutes, then seek medical attention. When fully cured, the product can be considered non-toxic. Always keep CopperStick away from foodstuffs and food utensils.

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, and that the actual conditions of use are suitable