

QUICK REPAIR EPOXY PUTTY

Description

Metal Putty - Stick is a hand kneadable, non-rusting, steel reinforced epoxy putty that mixes in one minute to provide fast permanent repair to items made of ferrous and alloy metals. It comes in a handy stick form with the curing agent encapsulated in the contrasting colour base material. It's putty-like consistency eliminates drips and runs providing "no mess" application with no tools required for use. Metal Putty - Stick is grey in colour after cure.

General Characteristics

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

Performance Characteristics

Initial Cure	1 hour max
Full Cure	24 hours
Lap Shear Tensile Strength (steel)	6.2N/mm ²
Shore D Hardness (full cure)	80
Opening Time	3.5 minutes

How to Use

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.

Mixing

Twist or cut off required amount. To mix, knead with fingers to a uniform colour. If mixing is difficult, warm in Alu-Stick to room temperature or slightly above. Apply to the surface to be repaired (within 2 minutes of mixing). The mixed epoxy does not at this point exhibit high 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 SteelStick 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: SteelStick 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 SteelStick 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.