



Description

Robex Repair Steel is a hand kneadable, non-rusting, steel reinforced epoxy putty that mixes in one minute to provide fast, permanent repairs to items made of ferrous and aluminium metals. It comes in a hand rod form with the curing agent encapsulated in the contrasting colour base material. Its putty-like consistency eliminates drips and runs providing "no mess" application with no tools required for use. Rapid Steel is black in colour after cure.

General Characteristics

Resin	Epoxide
Chemical resistance	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases
Electrical resistance	30,000 mega Ohms
Dielectric strength	300 volts / mil
Shrinkage	<1%
Non-volatile content	100%
Shelf life	6 months minimum stored at 25°C
Compressive strength	84N/mm(2) (12,000 psi)
Max. temperature resistance	120°C continuous 150°C intermittent

Performance Characteristics

Initial cure	1 hour max
Full cure time	24 hours
Lap shear tensile strength (steel)	6.2 N/mm (2)
Shore D hardness (full cure 24 hrs)	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 Rapid Steel to room temperature or slightly above. Apply to the surface to be repaired (within two minutes of mixing). The mixed epoxy does not exhibit high bond strength at this point, 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 tool wetted with clean water. When applying to 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 just 30 minutes Rapid Steel is completely cure and 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 6 months at 25°C.

No liability is accepted for any injury, loss or damage arising directly or indirectly from the use of the Company's products or from the use of information given in our data sheets, since the customer's use of the product is necessarily out of our control. The information given is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the products are suitable for their intended use.

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