

Technical Data Sheet

Epoxy Fix Super Steel

DESCRIPTION

EPOXY FIX SUPER STEEL is a steel filled thermosetting two-component resin adhesive filler that cures in five minutes and develops full strength in 24 hours. It is a versatile maintenance repair product that cures to quickly form a durable metallic mass that can be drilled, sanded and machined.

SIZE AVAILABLE

Available in 35mL/set.

USES

- Repairing pipes, valves, tanks
- Filling and sealing metals
- Making tools, templates and metal forming dies

TECHNICAL FEATURES

- 5 minutes fast cure
- Form a durable metallic mass when dried
- No clamping necessary
- Dry can be drilled, sanded and machined
- Water resistant

HOW TO USE

1. Surface contaminants such as dirt, grease, oil or wax must be removed from areas to be joined. Clean surfaces by sanding, sandblasting or brushing for stronger bonds. Surfaces should be clean and ready for application before the adhesive is mixed.
2. Mix equal part by volume of Part A and Part B. Blend thoroughly until colour streaks disappear and uniform colour is obtained. To avoid waste, prepare a quantity just enough to be consumed within the pot life period (3-6 minutes).

3. Apply mixed compound with a putty knife or spatula on one or both faces of glue joints. Join surfaces with sufficient pressure to ensure complete contact. Allow to cure or to harden. Unnecessary handling should be avoided until cure is complete.
4. Clean all tools or equipment used while adhesive is still in its uncured state. Use acetone, toluene, methyl ketone or kerosene to clean tools and spills.

TECHNICAL DETAILS

Table 1. Physical Properties: Uncured State

Colour	Part A: Black Part B: Cream
Consistency	Soft paste
Viscosity	Part A: 317,700 - 388,300cps @ 26°C Part B: 351,900 - 430,100cps @ 40°C
Solids Content	100%
Pot life	3-6 minutes
Mixing Ratio	1:1 by volume
Full Cure	Maximum strength in 24hrs
Shelf Life	Very stable, indefinite

Table 2. Physical Properties: Cured State

Tensile	3,074psi
Shear Strength	Min. 1,500psi
Compressive Strength	10,426psi
Hardness, Shore D	80-100
Shrinkage	Nil
Weathering Resistance	Excellent
Flexural Strength	4,727psi

WARNINGS/FIRST AID

If skin contact occurs, wash with soap and water. If skin irritation persists, seek medical attention. If material contacts the eyes, flush thoroughly with water and get medical attention immediately. Do not take internally. Keep material out of children's reach.