

Technical Data Sheet

BS-8510 All Purpose Structural Epoxy



Features

- ♦ Two-component Epoxy
- ♦ High Mechanical Strength
- ♦ Excellent Resistance to Most Chemicals, Heat.
- ♦ Bonding to Most Surfaces

Packaging

- ♦ 300 g / set ~ 50 / carton
- ♦ 700 g / set ~ 24 / carton
- ♦ 1.40 kg / set ~ 12 / carton
- ♦ 2.80 kg / set ~ 6 / carton

Product Specification

	Part A	Part B
Base	: Epoxy resin	: Polyamide hardener
Color	: Red	: Light teak
Color After Mix	: Light red	
Viscosity	: 1,750,000 cPs	: 500,000 cPs
Specific Gravity	: 1.80	: 1.73
Mixing Ratio (by Volume)	: 1:1	
Hardness	: 80	
Application Temperature	: 15 - 35 °C (59 - 95 °F)	
Pot Life (Working Time)	: 45 minutes	
Full Cure (Dry Surface)	: 24 hours	
Lap Shear Strength		
Curing Hour – 6 hours	: 7.6 N/mm ²	
16 hours	: 11.2 N/mm ²	
1 day	: 14.2 N/mm ²	
Shelf Life	: 12 months	

Description

A two-component epoxy designed to form a tough adhesive material that is resistant to weathering, fungus, seawater, decay, gasoline, alkali, and even certain acids. It exhibits a remarkable combination of properties: high mechanical strength, excellent resistance to most chemicals, and high heat resistance. It contains no solvent that causes shrinkage, chipping, peeling off, or cracking. It allows easy workability and bonding to most surfaces.

Applications

It is specially formulated for heavy duty bonding and repair applications, where increased strength, durability and reliability are required. It works well on fiberglass, glass, wood, metal, concrete and most plastics.

Direction

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Pour out equal amount of resin (red) and hardener (yellowish white) on any disposable container or surface.
3. Mix thoroughly and apply mixture to both surfaces before joining. Higher temperature will accelerate hardening.
4. Close the can after use and store in a cool, dry place.



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Caution

Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. Wash hands thoroughly after handling. Wear protective gloves and eye protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation or a rash occurs: Get medical advice/attention. Contain epoxy constituents. May produce an allergic reaction. Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Storage

Store in a dry and cool place. Not damaged by freezing. If frozen, warm to room temperature.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.