



BOSSIL TECHNOLOGY SDN. BHD.

Technical Data Sheet

BS-8142
30 Minutes Steel Epoxy

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Product Specifications:

Appearance:	Black paste (Resin) Yellowish paste (Hardener)
Viscosity at 25 °C: (LV3, 5 rpm) ASTM 2196	150,000 - 250,000 cPs (Resin) ≥ 2,000,000 cPs (Hardener)
Main ingredients:	Epoxy resin Polyamine hardener
Mixing ratio:	1:1 (by volume)
Tensile lap shear strength: (N/mm ²) ASTM D1002	Minimum 12
Hardness: (Shore D) ASTM D2240	Minimum 60
Working time at 25 °C:	30 minutes
100% Curing time at 25 °C:	24 hours



Product Description:

A grey color epoxy adhesive formulated to give longer working time (30 minutes) for large assembly with many components. It is steel-filled hence offers good gap-filling capabilities and non-slumping characteristic. It exhibits a remarkable combination of properties, high mechanical strength, excellence resistant to most chemical and reliable heat resistant. It is easy to machine and non-conductive.

Applications:

Bonds metal and metal alloys, casting impregnating and potting system, gap filling, rimming bonding, crack casting or holes repair, tools, ornaments, knobs, ceramic, glassware, fiberglass repair, etc.

Directions:

1. Surfaces must be clean, dry and free of dirt, grease, oil or water. Puncture tube with the cap.
2. Squeeze out equal amount of resin and hardener onto any discardable container.
3. Mix thoroughly and apply mixture to both surfaces before joining. Low heat will accelerate hardening.
4. Replace cap after use and store in a cool, dry place.

Caution:

Contains epoxy resin and polyamine hardener. May cause severe eyes and skin irritation. Avoid prolonged contact with eyes or skin. In case of contact with eyes, flush with water for 15 minutes and seek medical attention immediately. In case of skin contact, wipe off and wash with soap and water.

Keep out of reach of children. Use in well ventilated areas.

Storage:

Provided the adhesive are stored dry and cool in air tight containers, the storage stability will be at least 12 months (before mixing) from day of delivery.

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