



BOSSIL TECHNOLOGY SDN. BHD.

Technical Data Sheet

BS-8140 / BS-8144 / BS-8191  
4 Minutes Steel Epoxy

Issued date : 31/03/08

Rev. No. : 3

Revised date : 14/05/13

Page : 1 of 1

### Product Specifications:

Appearance:	Black paste (Resin) Milky white paste (Hardener)
Viscosity at 25 °C: (LV4, 0.3 rpm) ASTM 2196	300,000 - 800,000 cPs (Resin) 300,000 - 800,000 cPs (Hardener)
Main ingredients:	Epoxy resin Polymercaptan hardener
Mixing ratio:	1:1 (by volume)
Lap shear strength: (N/mm <sup>2</sup> ) ASTM D1002	Minimum 12
Hardness: (Shore D) ASTM D2240	Minimum 80
Working time at 25 °C:	< 3 minutes
100% Curing time at 25 °C:	24 hours



### Product Description:

A fast setting and non-shrinking epoxy adhesive, BS-8140 exhibits a remarkable combination of properties, high mechanical strength, excellent resistant to most chemicals and reliable heat resistance. It is easy to machine, non-conductive and can be handled after 2 hours.

### Applications:

Bonds metal and metal alloys, casting, impregnating and potting system, gap filling, trimming 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 polymercaptan 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 that the adhesive is stored dry and cool in air tight containers, the storage stability will be at least 12 months (before mixing) from day of delivery.

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 will not accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of various of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.

- END -