



BOSSIL TECHNOLOGY SDN. BHD.

Technical Data Sheet

BS-8138
Fast Metal Putty

Issued date : 31/03/08

Rev. No. : 3

Revised date : 14/05/13

Page : 1 of 2

Product Specifications:

Appearance:	Grey paste (Resin) Black paste (Hardener)
Odor:	Sulphur-like
Main ingredients:	Epoxy resin Polymercaptan hardener
Density:	2.2 g/mL
Lap shear strength: (N/mm ²) ASTM D1002	Minimum 5
Hardness: (Shore D) ASTM D2240	Minimum 80
Working time at 25 °C:	< 3 minutes
100% Curing time at 25 °C:	24 hours
Non-volatile content:	100%



Product Description:

A hand-mixable, steel-reinforced, epoxy putty that mixes in just one minute to provide fast repairs to items made of ferrous and aluminum metals. It comes in a handy two-ounce "tootsie-roll" form, contains pre-measured portions of activator and base throughout with the curing agent (activator) encapsulated in the consistency eliminates drips and runs, providing "no mess" applications with no tools required for use. It cures to a dark gray metallic color. Once cured, it can be tapped, drilled, screwed, sawed, machined, ground, filed or painted. It will not rust, shrink or pull away. It is resistant to water, temperature extremes, and chemicals such as hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

Applications:

Ideal to repair ferrous metals, rebuild small engine parts, fill cracks and voids in metals, seal leaks, form nuts & bolts, repair stripped threads, form anchor machines, repair metal tools, equipment ducts, pipes, housing & appliances, sink traps and auto bodies. Also bonds to wood, glass, masonry and many plastics. Suitable for interior and exterior use.

Directions:


1. Before applying, roughen and clean the area to be repaired.
2. Cut or twist off required amount.
3. Mix by kneading into a uniform color. If mixing is difficult, warm the epoxy putty to room temperature or slightly higher, or dampen fingers for easier mixing and application.
4. As the epoxy putty is mixed, the two contrasting colors will blend into one color to indicate complete mixing.
5. Apply to surface to be repaired (within 2 minutes of mixing).
6. Force into any cracks or holes and strike off excess material before hardening begins, preferably with a tool wet with clean water.
7. When applying to a damp, wet or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect.

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. Not intended for use in structural applications. When sanding cured putty and substrate, use protective eye wear and dust mask.

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

Storage:

	BOSSIL TECHNOLOGY SDN. BHD.	Issued date : 31/03/08
	Technical Data Sheet	Rev. No. : 3
	BS-8138 Fast Metal Putty	Revised date : 14/05/13 Page : 2 of 2

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.

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.

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