

TECHNICAL DATASHEET

36-4013 STEEL EPOXY

PRODUCT DESCRIPTION

A fast setting, non-shrinking, grey colour epoxy adhesive that exhibits a remarkable combination of properties, high mechanical strength, excellent resistant to most chemicals and reliable heat resistant. It is steel-filled hence offers good gap-filling capabilities and non-slumping characteristic. It is easy to machine, non-conductive and can be handled after 2 hours.

APPLICATIONS

Bonding of 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.

PRODUCT SPECIFICATION

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| Appearance: | Resin (black paste), Hardener (white paste) |
| Viscosity at 25 C: (LV DV, sp 4, 0.3 rpm) | Resin (1,000,000 - 2,000,000) cps Hardener (1,000,000 - 2,000,000) cps |
| Main Ingredient: | Epoxy Resin, Polymercaptan Hardener |
| Mixing Ratio: | 1:1 (by volume) |
| Tensile Lap Shear Strength: ASTM D1002 (N/mm ²) | Minimum 9 |
| Hardness: ASTM D2240 (Shore-D) | Minimum 80 |
| Working Time: | Below 3 Minutes at Room Temperature |
| 100% Curing Time: | 24 Hours at Room Temperature |

DIRECTIONS:

1. Surfaces must be clean, dry and free of dirt, grease, oil or water. Puncture the tube with the cap.
2. Squeeze out equal amount of Resin and Hardener onto any disposable surface.
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.

SHELF LIFE:

12 months at 23°C when stored in sealed original containers.

CAUTION:

Contains Epoxy Resin and Polymercaptan Hardener. May cause severe eye and skin irritation. Avoid prolonged contact with eyes or skin. In case of eye contact, 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.**