

Technical Data Sheet Issue Date: 01-11-02		Product Code: VC-142 Vital Steel Epoxy
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Product Description:

Vital Steel Epoxy is a grey color epoxy adhesive formulated to give longer working time (60 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:

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.

Physical Data:

Appearance	Vital Steel Epoxy Resin Resin (Black) Vital Steel Hardener (White)
Viscosity at 25°C	Vital Steel Epoxy Resin – above 400,000 cps Vital Steel Hardener - above 1,500,000 cps
Main Ingredient	Epoxy Resin
Mixing Ratio	1:1 (by volume)
Tensile Strength (kg/cm ²)	130
Hardness (Shore-D)	Minimum 60
Working Time	Below 13 minutes at room temperature
Curing Time	Below 60 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 discardable 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 cool, dry place.

CAUTION:

Contains Epoxy Resin and Polyamine Hardener. May caused 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.

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 ex-works.

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