TECHNICAL DATA SHEET

Epoxy Resin & Hardener

Epoxy Resin is a two-component, non-volatile liquid epoxy resin & hardener. It is specially formulated and applied excellent in the decorative coating industries. It exhibits several outstanding features as follow:

Advantages:

1. Non-toxic, non-volatile and fast cure.
2. Low viscosity and long pot life provide easy application.
3. Tenacious adhesion to wood, metal, plastic and most similar materials.
4. The coated transparent surface is very smooth and glossy as well as more attractive and eye-catching.
5. Excellent resistance to brushing and scratching.
6. Can be cured either at room temperature or elevated temperature.

Typical Properties

	Soft Epoxy Resin	Hardener
Appearance	Clear Liquid	Clear Liquid
Viscosity (CPS)	3,000 – 3,500 cps	100 – 150 cps
Mixing Ratio (by weight)	2 : 1	
Pot Life (50gm)	15 ~ 20 minutes	
Shelf Life	6 months	
Cure Condition	R. T. : *10 – 12 hrs : 70°C : *50 – 80 mins	
Compression Strength	728 kg/cm^2	
Flexural Strength	297 kg/cm^2	
Tensile Strength	136 kg/cm^2	
Flash Point	> 300°C	> 150°C

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Applications Data

1. Use proper container and mixing rod.
2. To minimize wastage, correct the ratio 2 : 1 of resin & hardener on each application by weight.
3. Mix thoroughly, scraped the edge of the container and mixed uniformly.
4. Complete preparation and apply it within the pot life period.

Cautions

1. For storage, once the pack has been opened the cap must be properly sealed and store in cool conditions, preferably away from sunlight or excessive heat.
2. Precaution must be taken to prevent Epoxy Resin & Hardener contaminating each other during operation to ensure longer storage life.

Safety Precaution

1. Provide adequate ventilation when mixing the Resin and Hardener.
2. It may cause skin irritation in sensitive individuals. Keep material and solvent off skin with protective gloves.
3. In case of eye contact, flush with clean, running water for at least 15 minutes then seek medical attention.