

# Orgafix Steel Epoxy



## Technical Data Sheet

### Physical Data

Appearance	Steel Epoxy Resin (White) Steel Hardener (Black)
Solid Content	16 – 20 %
Viscosity at 30 ° C	Steel Epoxy Resin - 15,000 - 17,000 cps Steel Hardener - 70,000 - 90,000 cps
Main Ingredient	Epoxy Resin
Mixing Ratio	1 : 1 (by volume)
Viscosity at 30 ° C	3100 - 3400 cps

### Pot Life 30-40 minutes at room temperature

Curing Time	3 - 3.5 hours at room temperature
100 % Curing Time	24 hours at room temperature

### Characteristics

- Orgafix Steel Epoxy is a medium setting , non-shrinking grey colour general purpose Epoxy adhesive.
- Orgafix Steel Epoxy exhibit a remarkable combination of properties, high mechanical strength, excellent resistance to most chemical environments and reliable heat resistance.
- Orgafix Steel Epoxy is a two part adhesive of high viscosity which have a good dimensional and strong adhesion to a variety of substrates.
- This adhesive also combine reasonable ease of handling with high chemical resistance and mechanical performance after use.
- Most suitable for plastics industries , casting impregnating and potting system industries, electrical or electronic industries, automotive industries and mortar industries.
- Bonding of metals and metal alloys, concrete and stone, rubber and concrete, ceramic materials, glassware, knobs, fiberglass repair, china, porcelain, wood leather, paper , textiles etc.

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### Application

- In order to secure perfect bonding, it is recommended to pretreat the surface by removing moisture, application dust, grease, rust, paint, oxide and all other foreign matters from the bonding surface before of Orgafix Steel Epoxy.
- To obtain the best bonding result it is recommended to use suitable primer on bonding surfaces before applying the adhesive.
- Mixed Steel Epoxy resin to Steel hardener thoroughly in a ratio of 1 : 1 by volume.
- After mixing, use all the mixed adhesive within 1 hour.
- Apply a thin layer of Steel Epoxy mixture on both side of the bonding surface.
- Assemble bonding surface before mixture become gel.
- After assemble apply suitable pressure on the bonding surface to ensure the mixture would spread evenly and thoroughly between the bonding surfaces.
- Allow cure time for 5 hours. The mixture will be fully cure after 24 hours.
- Application should be carried out in a well ventilated area.

### Caution

- Flush immediately with water for any spillage on skin.
- If spill on eye, flush immediately with water and seek oculist treatment immediately.
- Highly inflammable product.

### Storage

- Provided the resin and hardener are stored dry and cool in air tight containers, the storage stability will be at least 9 months ( before mixing) from day of delivery ex-works.

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