

# STEEL EPOXY

## EPOXY ADHESIVE

### DESCRIPTION:

**x'traseal** STEEL EPOXY is a metal filled epoxy that has the tremendous strength and durability with normal curing time; it can be applied in single application because it is harden by chemical reaction of the resin and hardener. It form extremely hard metal within 2 to 3 hours and unaffected by solvents, steam, heat and water. Steel epoxy can be sanded, filled, frilled, tapped or threaded.

### FEATURES:

- ◆ Paintable.
- ◆ Non shrinkage.
- ◆ Steam and heat resistance to 150°C.
- ◆ Easy to use, one to one mixing ratio.
- ◆ Strong bonding strength when hardened.
- ◆ Water, solvent, acid and alkaline resistance.
- ◆ In the field repairing, cost saving on downtime.
- ◆ Can be sanded, filed, drilled, tapped or threaded when hardened.

### USES:

- ◆ Permanent repair: Leaks, holes, cracks, mounting signs to walls.
- ◆ Suitable Substrates: Metal, fiberglass, concrete, ceramics and some plastic materials

### NOT RECOMMENDED FOR:

PE, PP and PTFE.

### APPLICATION:

- ◆ Surface must be clean, dry, free from oil and grease and thoroughly roughen
- ◆ Remove caps, pierce end of tubes. Squeeze equal amount of resin and hardener from each tube. Ratio 1:1.
- ◆ Mix thoroughly until homogenous.
- ◆ Apply to the surfaces to be repaired or joined together.
- ◆ Clean off excess mixture with solvent.

### PERFORMANCE DATA:

Color, Resin Hardener	Black white
Specific gravity, Resin Hardener	1.29±0.05 g/ml 0.88±0.05 g/ml
Viscosity, Resin Hardener	16K cps 70K cps
Mixing ratio, A:B	1:1
Appearance	Paste form
Work Life (Minutes at 25°C)	80 – 60
Curing time (Hours at 25°C)	2 – 3
Hardness (Shore D)	Minimum 70
Temperature limits	-10°C to 150°C
Nonvolatile Content	100%
Tensile Strength (kg/cm <sup>2</sup> )	Minimum 40
Shelf Life	24 Months <sup>(1)</sup>

### STORAGE:

<sup>(1)</sup>Shelf life is subjected to change due to the type of packaging used and the condition of the environment. Material should be stored in a dry and cool place between +5°C to +30°C.

### CAUTION:

Normally, while mixing by hand it does not cause any skin irritation, but in some cases with sensitive skins, it may cause irritation or sensitization. In such cases, wash the hands with plenty of water and soap and use hand gloves for application.

*This information is provided in good faith and is believed accurate based on a review of current composition and information supplied by vendors. No warranty is expressed or implied. Liability is expressly disclaimed.*

**WE RECOMMEND PRELIMINARY COMPATIBILITY TESTS PRIOR TO APPLICATION TO ACHIEVE DESIRABLE RESULTS**

