

am FRP-Heavy Chemical Resistant Epoxy Laminate

DESCRIPTION

am FRP - Heavy chemical resistant epoxy laminate for the protection of concrete and metal surfaces

Composition: Based on epoxy resin and hardener

Properties and its uses:

Used in conjunction with fibreglass mat to obtain added strength. This system exhibits higher corrosion and abrasion resistance and has excellent adhesion to metals, concrete, and wood. A minimum of two layers of fibreglass mat is recommended. However, one layer of fibreglass mat and one layer of tissue mat is satisfactory where corrosion or abrasive conditions are not excessive.

Area of applications:

Any industries where higher corrosion and abrasion resistance are needed. Such areas as effluent treatment tank, pickling tank and chemical storage tank will find this system very ideal.

Surface preparation:

- Abrasive blast clean to minimum SA 2.5 standard for steel. Alternative method of surface preparation may, under some circumstances be acceptable. These must be consulted with our technical personnel.
- All concrete surfaces should be clean, dry and free from any contamination.

MIXING RATIO

100 parts to 50 parts by weight (A: B)

POT LIFE

The mixed Mirapox 240 A/B should be used up within 30 minutes at 30°C. (Rapid cure system available only on request).

- Touch dry: About 4 hours at 30 deg C
- Full cure: 7 days
- Tensile strength: 14,000 psi
- Flexural Strength: 19,000 psi
- Storage Life: Minimum 12 months in sealed container
- Packing: 20 kg drum for part A and B

APPLICATIONS

For metal and concrete surfaces the following steps are recommended.

- Apply a priming coat of Mirapox 240 A/B
- Apply a generous coat of Mirapox 240A/B to the primed surfaces.
- Whilst the mixed Mirapox 240 is still wet, lay the fibreglass mat firmly on the surface.
- Apply further quantities of Mirapox 240 to thoroughly wet the surface of the fibreglass mat.
- Air bubbles trapped between the glass mat should be completely removed with an air bubble removing roller.
- Repeat application of fibreglass mat as above to give a 2 ply thickness and or one more layer of tissue mat.
- Apply a final coat of Thickseal 141 after the last layer has cured to a tacky stage and allow to cure.
- Allow 72 hours to cure before the surface is subjected to corrosive environment.

CLEANING OF TOOLS

Tools and equipment must be cleaned immediately after use with am FRP equipment cleaner.

SAFETY PRECAUTION

Contains EPOXY resin that may cause skin irritations. Polyethylene gloves provide good protection. If contact with eyes wash thoroughly with running water and seek medical help.

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