



Description:

BESTCOAT-FRP (Fiber Reinforced Plastic) System is comprises on plastic composite made by saturating fiber glass mat in unsaturated polyester resin.

It is an ortho phthalic based resin which is developed with low viscosity, medium reactivity to fulfill the needs of FRP HLU (Hand Lay-Up) Industry.

BESTCOAT-FRP Mat is porous, flexible, has rapid penetration and fast wet out rate with good air-release properties.

Functions & Benefits of BESTCOAT-FRP System:

- Tailored strength
- Chemical resistance
- Electrical Conductor
- Compatible with potable water
- Colour variants
- Flame Retardant
- Hygiene
- Heat resistance

Technical Data

PHYSICAL LIQUID RESIN PROPERTIES @ 30°C

PARAMETER	TEST METHOD	SPECIFICATION
Appearance	Visual	Pale Yellow/Clear
Viscosity	B4 Ford Cup	80-85 Second
Gel Time	With 1% of 3% Cobalt & 1.5% MEKP @ 30°C	10-12 Min
Peak Exotherm	With Gel Time	170°C - 190°C
Acid Value	Titration (mg-KOH/gm)	17-27 mg-KOH/gm



BEST CONSTRUCTION

CHEMICALS

Stick with Best

Application Guidelines:

Substrate Preparation:

The substrate surface (all types) must be clean, dry and free from contaminants such as dirt, oil, grease, existing surface treatments and coatings etc. All loose or friable particles must be removed to achieve a clean and contaminant free, open textured surface.

Primer Application:

A primer is used to increase the adhesion between the BESTCOAT-FRP Mat and the substrate. With its lower viscosity than resin, it can penetrate micro-cracks and pores while offering a strong bond between the substrate and the BESTCOAT-FRP Mat.

Placing:

A resin saturated catalyzed BESTCOAT-FRP Mat is laid by hand over the primed surface. A vane roller is used to displace air and maximize surface contact with the substrate.

The BESTCOAT-FRP Mat should be cut to size for each part of the surface. This should be done before preparing the resin, which should have a catalyst content of 1-3% depending on the type and amount required. This should be mixed well, but also carefully mixed to avoid excess air. It should also be used immediately, so small amounts of resin should be applied to manageable areas.

The final coat involves the application of a liquid resin which, when cured, leaves a hard, impermeable, seamless outer barrier. Here again, the resin should be prepared in advance and used immediately as soon as it is catalyzed and mixed.

Important Information:

Supplied in	10 kg units
Storage	Dry, frost-free area. Out of direct sunlight, heating media. Storage temperature should be less than 25C
Shelf life	03 months

Disclaimer:

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

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