

Fibretech Vinyl Ester Fillcoat is one of the products in Allnex Composites Fibretech Pool Resurfacing System.

The Fibretech Pool Resurfacing System comprises of the following products:

Fibretech Vinyl Ester Putty: This putty can be used to fill holes in the concrete pool shell.

Fibretech Vinyl Ester Primer Coat: This primer provides good adhesion to the substrate, has good chemical resistance especially high alkali environment's common in concrete pool shells. It also assists in sealing porous surfaces.

Fibretech Vinyl Ester/Fibreglass Reinforced Laminate: The VE resin component offers high chemical resistance & has a proven track history for osmosis resistance in a pool environment. Combined with the fibreglass this resin provides the backbone laminate strength of the pool lining.

Fibretech Vinyl Ester Fillcoat: The Fibretech Fillcoat is formulated from the same vinyl ester resin family as the primer & laminating resins above. The Fibretech Fillcoat is designed to fill any micro voids in the consolidated laminate and cover the fibre pattern in the reinforced laminate; thus acting as an additional chemical barrier as well as enhancing the surface finish prior to applying the final Topcoat.

Aquaguard Pool Topcoat: Colourful decorative and protective barrier coat providing good UV resistance in a pool environment.

PERFORMANCE CHARACTERISTICS

- Fibretech Fillcoat is available in a Roller Grade or Spray Grade. Each of these grades is formulated to suit different seasonal conditions around Australia.
- Fibretech Fillcoat is formulated from the same base epoxy vinyl ester resin as the Primer & Laminating Resins offering perfect compatibility and premium chemical resistance performance in a pool environment with a long history of resistance to osmosis or blisters occurring in the pool lining.
- Fibretech Fillcoat is formulated to fill a number of functions; firstly even a well consolidated laminate, may contain micro voids as well as glass fibre exposed on the surface. The Fibretech Fillcoat fills these voids with a high chemical resistant product as well as sealing the glass & reduce possibilities on any wicking occurring along the glass strands.
- Pool resurfacing by nature covers a large area and is not conducted in laboratory conditions. The fibreglass reinforcement can be in the form of mat or sprayed rovings. With either method, cosmetically there is likely to be obvious overlaps & straw glass pattern on the cured surface. The Fillcoat is there not only to form a chemical resistant barrier layer but also to enhance the final finish by providing a smoother substrate for the Topcoat.

- Fibretech Fillcoat is available in a range of colours. Visually this colour will act as a preview of the Topcoat and allow the applicator to address any cosmetic issues. The colour selected is generally the same as or similar to the colour of the final Topcoat to ensure opacity and even colour of the finished pool lining.
- Fibretech Fillcoat has excellent flow properties in roller grade format and good atomization characteristics in spray format.

Fibretech Fillcoat Vinyl Resin Base, transposes into a tough resilient coating that compliments the laminate to reduce the possibilities of cracking.

TYPICAL LIQUID RESIN PROPERTIES

Summer Specification Tested @ 25°C

Winter Specification Tested @ 20°C

Other Specifications made to order – refer to your Allnex Composites Representative

	Roller Grade	Spray Grade
Viscosity Brookfield RVT Spindle B @ 5 RPM Cps	6400-8800	4800-6400
Thix Index	Min 3.2	Min 3.2
Gel Time (Mins) 1.5% Norox 925H	21 – 26	10 - 15

APPLICATION GUIDELINES

Temperature: 15 to 30°C

Catalyst Level: 1 to 2 %

Coverage: Approx 2m² per Kg

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, polyester resins should be stored in closed containers, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored resin quantities should be kept to a reasonable minimum and used on a first in/first out stock rotation basis. Prolonged storage, or unfavourable storing conditions, may cause separation, therefore agitation of the resin before use is recommended.

STANDARD PACKAGING

Mild steel pails (20kg)

Always refer to the MSDS before use.