

## ***FIBERGLASS REINFORCED LINING***

### **(FRL)**

#### REFINISHING SYSTEM FOR SPAS HOT TUBS AND BAPTISTERIES

Acrylic, Gel Coat, Fiberglass and other Surfaces

This reinforced application has proven its integrity to withstand the harsh extremes found in composite pool and spa environments, where the coated surface is continually wet and exposed to harsh pool chemicals. Unlike conventional bath ware refinish coatings that deteriorate and delaminate over a short period of time in this application, this process creates a permanent structural finish. The process with our specially developed FRL Resin, along with reinforcement can be guaranteed for five year periods and beyond. The FRL hand lay-up application is made up with; a colored FRL resin, fiberglass matting and a colored FRL finish coating resin. When applied properly it will have an attractive texture finish without the appearance of fiberglass reinforcement. *Available in White color only.*

The hard sample shows the stages of the process:

◆ **Stage 1 – Surface Preparation**

This is the beginning stage where the surface is prepped for the resin application. Here, the surrounding surfaces, jets and intakes are removed or taped off. Cracks, blemishes, blistering and reinforcing is addressed.

◆ **Stage 2 – Resin Application**

At this stage, the resin makes a bond to the surface, whether a chemical or mechanical bond is achieved, depends on the substrate application. (Acrylic-Chemical Bond, Gel Coat-Mechanical Bond)

◆ **Stage 3 – Matting and Resin Application**

This combination, of the resin and reinforcement, is the key to the longevity and adhesion of this structural finish. The incorporation of matting into this advanced resin decreases expansion and contraction of the resin application, thus promoting adhesion to the surface for long periods of time.

◆ **Stage 4 – Final Resin**

This is the beginning stage of the final product. Here we start the detail process and move toward losing the fiberglass look through Stage 5.

◆ **Stage 5 & 6 – Final Resin and Texture**

Through these stages, we work towards the final product and begin the texture coats.

◆ **State 7 – Final Texture**

It is our goal, to create an attractive orange peel effect through the final curing stages.

## Appearance

The final product will have more gloss than the sample. The gloss will dissipate, as the application is put into use.

## Curing

The surface will be cured to its fullest through the application stages, and can be filled within 48 hours upon completion. Depending on weather conditions, we may ask for a longer cure time, possibly 7 days before putting back into service (filling with water).

## Cleaning

We recommend cleaning the surface with non-abrasive household cleaners. For scuff marks and surface tackiness, the surface can be cleaned with lacquer thinner or acetone. Be sure to use a white cloth, saturated with solvent, and wear appropriate gloves, goggles and respirator in poorly ventilated areas. See solvent recommendations and MSDS. **DO NOT ACID WASH!**

## Water Chemistry

Standard spa chemistry is recommended. See your local pool and spa retail store for chemistry advice. Although “Fiberglass Resurfacing” is a loose term and similar to this application, the water chemistry and balancing applications are acceptable. **DO NOT ACID SHOCK THE WATER!** If the water chemistry is beyond adjustment, empty the unit and start fresh.

## Work Time Duration

In most cases with average Spa and Baptistery applications, the work can be performed within a work week’s time frame (weather conditions dependent).

## Ventilation and Odor

**BEWARE!** Indoor applications may require ventilation. We may need your assistance in the ventilation or scheduling time. Each indoor application is different and will be assessed on individual circumstances. Outdoor applications are rarely an issue.

## Warranty

We recommend a five year *structural warranty* against re-fracture of repairs and delaminating of the FRL structural finish within normal wear and tear, excluding unit structural settlement or structural deterioration of the original unit. We also recommend a 1-year, *limited cosmetic warranty*, against staining under normal use and proper chemistry practices.

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