INSTRUCTIONS

DESCRIPTION
Aqua-Axial 2™ is a biaxial, bias constructed, stitched fiberglass reinforcement fabric. Because of its unique bias construction, it is exceptionally conformable and being stitched and therefore binderless, wets out very easily with a normal Aqua-Resin mix. Aqua-Axial 2 will produce the highest strength laminations of any of our fiberglass reinforcement products. It is lightweight, approximately 9 ounces per linear yard at a 50" width.

INSTRUCTIONS
When cutting and measuring Aqua-Axial 2 it is important to not pull the fabric excessively in any one direction. Because of its great conformability, it can easily be pulled into unwanted lengths and configurations. Simply position a length on a table top without excessive smoothing or pulling. Serrated edge scissors work best but a rotary cutter, sharp scissors or a utility knife will cut the fabric easily enough.

Once the fabric is cut and ready for laminating, first apply a heavy coat of Aqua-Resin mix to the surface that is to receive it. It is important to not place the fabric on a dry receiving surface and attempt to wet it out from above. Rather, always have a sufficiently heavy layer of Aqua-Resin mix applied that will wet the fabric through from below. Once in place, on a newly applied Aqua-Resin mix, tamping with a chip brush with more mix will work the Aqua-Axial 2 into position. In many situations, a single flat sheet of material can be perfectly applied to any contour and with no wrinkling.

Aqua-Glass: If working, for instance, into a mold with significant detail, Aqua-Axial 2, since it is a continuous fabric, may not be able to fill all the detail of the mold surface. In this case, the first layer into the mold should contain Aqua-Glass, which being a soft chopped fiber, will work to reinforce the finest of detail.

“Sandwich” Construction: Once the first layer of Aqua-Axial 2 is in place, another layer of long fiber (3 1/2-1” or 4 1/2”) Aqua-Glass might be added, followed by a second layer of Aqua-Axial 2. All layers should be wetted out from below with fresh Aqua-Resin mix. This “sandwiching” of layers yields significant strength and therefore is highly recommended.

TIPS
For optimum strength, the use of a finned fiberglass roller to assist laminating is recommended. When first learning to work with Aqua-Axial 2, it would help with the understanding of the wet through process to lift up a newly applied piece immediately after having worked it into place to see that the wet through was actually complete. For coating rigid foam, often as little as a single layer of Aqua-Axial 2 is sufficient to provide significant strength to protect the foam surface. To further smooth the final surface, a layer of either 10 or 30 mil Aqua-Veil may be employed.

Consult SDS for more information: aquaresin.com/sds

The above recommendations and instructions provided for Aqua-Resin® products are presented in good faith and believed to be correct and accurate. However, since user methods and conditions of application are entirely beyond our control, this information is offered without warranty. The user is advised to do their own testing to determine suitability for their particular application.

Please contact us or visit our website for the most up to date product instructions and information.

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