AQUA-AXIAL 2 ™

Biaxial Bias Constructed Fiberglass Fabric

AQUA•RESIN®

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 square yard.

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

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

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