

# 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 light weight, 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 unroll 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](http://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 warrantee. 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.

[info@aquaresin.com](mailto:info@aquaresin.com)

[www.aquaresin.com](http://www.aquaresin.com)