

# AQUA-VEIL™

AQG-FCV™ Surfacing Veil

AQG-FCV™ 10 mil FF, AQG-FCV™ 30 mil, AQG-FCV™ 50 mil

# AQUA-RESIN®

**Aqua-Veil™** surfacing veil is an easy to use, safe and minimally irritating, continuous or long strand, fiberglass mat material with multiple uses in **Aqua-Resin®** laminating, and foam-coating applications.

**Aqua-Veil™** can be used to both strengthen and unify a thinly applied gel/surface coat on a mold surface, and in doing so prevent cracking or premature release of the gel coat from the mold surface. In addition it can be post-applied to already cured, or curing part surfaces to provide a smoother surface for sanding and other finishing operations.

Two primary uses for **Aqua-Veil** are Foam-Coating and gel/surface coats. Because of its specially formulated, soluble binder, the individual glass filaments easily separate when brush applied into a wet **Aqua-Resin®** mix, allowing the **Aqua-Veil** to fully assume the three-dimensional contour of the surface to which it is applied.

**Aqua-Veil** is available in three nominal thicknesses: 10 mil FF, 30 mil and 50 mil, in 40” wide rolls. The 10 mil FF is particularly low-irritating and is recommended for individuals with sensitive skin.

## INSTRUCTIONS

**Gel Coats/Surface Coats:** Typically a 10 mil weight **Aqua-Veil** is used for reinforcing gel coats. A normal **Aqua-Resin®** mix is first applied to the mold surface. Before this application has a chance to dry, apply a layer of veil, tamping it in place with a stiff brush (chip brush). Usually a second application of mix is not necessary. Care should be taken to make sure the veil has not only been wetted through thoroughly, but also has no air pockets are left under it. In most cases, appropriate sized pieces of veil are applied as needed, making sure there is some overlap between them. For extra strength, some **Aqua-Glass™ 0.5** chopped strand may be added to the gel/surface coat.

**Foam Coating:** The thickness of the gel/surface-coat over a foam shape is usually determined by a balance of two factors: the required strength and how much loss of detail can be tolerated. Using the

range of weights of **Aqua-Veil** available, a suitable thickness is selected and applied in much the same way veil is applied in a gel/surface coat. A second coat of **Aqua-Resin®** mix is then applied with no veil reinforcement. This second coat will allow enough extra material for sanding and finishing operations. In the case where maximum strength is required, an initial layer of ¾ oz. chopped strand mat can be applied directly on the foam surface before the **Aqua-Veil** layer(s) (*as described in the “L” & “S3” instructions*). For maximum surface smoothness, when using mat, a layer of 10 mil **Aqua-Veil** should immediately be placed over the still wet (uncured) mat layer – i.e. “wet into wet”. To further increase smoothness in any veil application, and again while still in the wet-uncured state, some suitable “tool” or the heel of gloved hand can be used to smooth and remove any texture of the curing **Aqua-Resin®**.

*Please note: Aqua-Veil is not intended to replace chopped-strand or stitched or chopped-strand mat for reinforcing Aqua-Resin® laminated parts. While veil might be appropriate for certain low strength applications, Aqua-Glass™ 3.5-1” or 4.5” chopped-strand or conventional stitched or chopped-strand mat should be used when maximum strength is required.*

*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 with 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.**

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