

INSTRUCTIONS

DESCRIPTION

Aqua-Veil™ surfacing veil is easy to use, safe and minimally irritating to the touch. It is a 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 wet-sanding and other finishing operations.

Because of its specially formulated, soluble binder the individual fiberglass 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 two nominal thicknesses: 10 mil and 30 mil, both approximately 40" wide.

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Gel Coats/Surface Coats: Typically the 10 mil **Aqua-Veil** is used for reinforcing gel coats. A normal **Aqua-Resin** mix is first applied, by brush or spray, to the mold surface, and before this application dries, a layer of veil is tamped in place with a stiff brush (chip brush). Care should be taken to make sure the veil has not only been wetted through thoroughly, but also has no air pockets 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, a small amount of **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 the degree of detail to be retained. Using the two weights of **Aqua-Veil** available, the suitable thickness is selected and applied in much the same manner as 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 wet-sanding and finishing. In the case where maximum strength is required, an initial layer of long fiber, (3.5-1" or 4.5") **Aqua-Glass** can be applied directly on the foam surface before the **Aqua-Veil** layer(s) (as described in the **L and S3** instructions). For maximum surface smoothness, when using

Aqua-Glass, a layer of 10 mil **Aqua-Veil** should immediately be placed over the still wet (uncured) **Aqua-Glass** 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: When initially wetting out the dry Aqua-Veil surface, make sure that your brush is heavily loaded with Aqua-Resin mix; too "dry" a brush will pull away loose fibers from the veil, making brushing difficult. Additionally, if the Aqua-Veil is not sufficiently wetted through with Aqua-Resin mix, the cured surface may be prickly to the touch. To prevent this, as previously stated for a sanding coat, a second coat of Aqua-Resin mix, should be applied.

TIP

10 mil **Aqua-Veil** can be used to stiffen a thin walled laminate. If, at the end of the lamination process, a single layer of the veil is applied to the back of the laminated part, not only will the part become substantially stiffer, but this new surface will also have a substantially smoother finish.

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

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 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.

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