KEL-GLO's 800 WEBBING SOLUTION

TECHNICAL DATA SHEET

DESCRIPTION:

Kel-Glo's 800 Webbing Solution is a clear liquid that is designed as a reinforcing additive that produces fine filaments that will quickly form bridges over openings in both interior and exterior environment where it will support the underlying substrate against the intrusion of water, gas, air and dust. The fine filaments reproduce a cob-webbing effect generally resembling a spider web feature that will not break of its own weight and the patterns can vary with different application techniques to produce the desired looks. The product has found usage for blending with Gel-Coat to produce a cob-webbing effect when sprayed. The spray cob webbing can be used as alternatives to fabric reinforcing.

RECOMMENDED USES:

The product is recommended but not limited for spray application to fiber-glass substrates such as boat decks or hulls, storage compartments and engine compartments etc. to provide a non-skid or alternate color.

SURFACE PREPARATION:

The surface must be dry, free of dirt and loose debris, oil, grease and any substance that will interfere with proper or adequate adhesion. The surfaces should be modified in a manner that makes them as smooth as possible by removing sharp projections and filling gaps and voids. A minimum surface profile of ½ mm should be maintained for maximum adhesion.

MIXING:

The recommended mixing is 2 part Gel Coat to 1 part Webbing Solution. The Webbing Solution is mixed into the Gel Coat of one color and sprayed onto a contrasting color on the substrate to display effects.

APPLICATION:

The product is a spray only application. After mixing in the above-mentioned ratio, pour the material in a standard spray gun presumably 2 inches and then add the appropriate amount of catalyst. Decorative effects will vary in relationship to the application techniques and gun adjustments.

Maintain proper ventilation during application and do not apply if the impending weather promotes precipitation such as rain. Before re-starting, ensure that substrate is totally dried, if not, force dry the surfaces to prevent entrapment of water. If the webs are destroyed, re-webbing is possible immediately providing there is an uncontaminated substrate available. If there is redo the surface preparation step.

CLEAN-UP:

Clean up immediately with Kel-Glo's #604 or similar product.

KEL-GLO CORP.
Excellence in Specialty Coatings
54 NE 73rd. Street, Miami FL 33138
Phone: 305-751-5641 1-800-421.5641 - Fax: 305-756.6481
sales@kel-glo.com
www.kel-glo.com

KEL-GLO's 800 WEBBING SOLUTION

PHYSICAL PROPERTIES

MEASURED PROPERTIES	VALUE	TEST METHOD
Density g/cm^3 (lbs/gal.)	0.86 (7.20)	ASTM D-792
Gloss (60º)	80	ASTM D-523
Color	Clear	Visual
Weight Solids (%)	13 ± 0.2	ASTM D-5201
Volume Solids (%)	10 ± 0.2	ASTM D-5201
V.O.C. g/L (lbs/gal)	378 (3.15)	ASTM D-5201
Dry Time to touch @ 77 ºF & 55 R.H	5-10 minutes	ASTM D-1640
Dry Time to pkg @ 77 ºF & 55 R.H.	2 hrs	ASTM D-1640
Viscosity (Zahn Cup #4)	23 ± 3 seconds.	ASTM D-4212
Pot Life	Dependent on Gel-Coat Product	Not Determined
Mix Ratio	2 Parts Gel-Coat:1 Part Webbing Solution	Recommended
Air Pressure for Spray Gun	10-15 psi	Suggested
Nozzle size	0.007"-0.009"	Suggested

KEL-GLO CORP.
Excellence in Specialty Coatings
54 NE 73rd. Street, Miami FL 33138
Phone: 305-751-5641 1-800-421.5641 - Fax: 305-756.6481
sales@kel-glo.com
www.kel-glo.com

KEL-GLO's 800 WEBBING SOLUTION

ADDITIONAL INFORMATION

Kel-Glo's #800 Webbing Solution was designed to blend with gel coat to produce a spider-web or cob-web effect when sprayed. The common ratio employed is 2 parts Gel Coat to 1 part Webbing Solution. At this ratio the expected finish should be a defined spidery web feature. Varying the ratio will give differing visual effects. By increasing the Webbing Solution the web threads would increase in size, getting thicker until a blotchy or spotty surface has resulted. By decreasing the Webbing Solution a finer thread like web appears until liquid ensues only from the spray gun. So if a well defined web structure is desired the optimal level would be somewhere between 2 parts Gel Coat to 1 part Webbing Solution and 1 part Gel Coat and 1 part Webbing Solution.

The principle behind the web spray is that the normal fan pattern of liquid is changed to a string pattern of cob webs. For cob-webbing to occur, the primary requirement is to have the product having very fast evaporation so that once it emits from the spray gun an immediate drying has occurred and through the atomization process of the sprayed liquid a stringy pattern or cob-webbing will result. The atomization of the sprayed liquid will be dependent of the air pressure settings and orifice size of spray gun nozzle.

The Webbing Solution #800 has fast evaporation, so cob-webbing should occur. The spray gun used can a regular cup gun with a nozzle orifice of 0.007" to 0.009" with a air pressure setting for the spray gun at 10-15 psi and the nominal air pressure tank set at 5-10 psi.

Experimentation with Gel Coat and Webbing Solution ratios are general recommended because the nature of Gel Coats can vary brand to brand, and experimentation with air pressures are also recommended to achieve the optimal atomization for string or spider effects. Directional positioning of the spray gun can also have an effect. If the spray gun is aimed directly at the surface rather than alongside, blotchiness can occur. Likewise the farther away the spray gun is shot from the surface, the larger the patterns will be.

08/2013

KEL-GLO CORP.
Excellence in Specialty Coatings
54 NE 73rd. Street, Miami FL 33138
Phone: 305-751-5641 1-800-421.5641 - Fax: 305-756.6481
sales@kel-glo.com
www.kel-glo.com