AQUA•RESIN®

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Coverage:

All computations below are based on a typical mix of one part "L" Liquid to 3 parts "S3" Powder by weight. (Less powder will yield less volume and more powder will yield more volume.)

Volume:

1 part "L" Liquid plus 3 parts "S3" Powder will yield a mix that is roughly equal to twice the volume of the original volume of "L" Liquid.

Example: one 5 gallon pail of "L" (43 lbs) plus 3 pails of "S3" (3 X 43 lbs) will yield approximately 10 gallons of "L"/"S3" mix (4 x 43=172 lbs).

Likewise, one gallon "L" (8.8 lbs) mixed with one 26.4 Lb pail "S3" will yield approximately two gallons of mix (35.2 lbs, or **17.6 lbs/gal.**)

Conversions:

One gallon (17.6 lbs.) equals 231 cubic inches, therefore one gallon will cover 231 square inches at one inch thickness, and per the conversion chart below:

One Mixed Gallon: Square Footage/Applications:

Thickness	Sq Inches	Sq Feet	Sq Ft / Lb	Lbs / Sq Ft	Application
1"	231	1.6	0.09	10.97	Solid Casting
1/2"	462	3.2	0.18	5.49	Solid Casting
1/4"	924	6.4	0.36	2.74	Thick Walled Laminating
1/8"	1848	12.8	0.73	1.37	Thin Walled Laminating
3/32"	2464	17.1	0.97	1.03	Foam Coating/Thin Wall Laminating
1/16"	3696	25.7	1.46	0.69	Foam Coating/Thin Wall Laminating
1/32"	7392	51.3	2.92	0.34	Foam Coating
1/64"	14,784	102.7	5.83	0.17	Foam Coating

Coverage Facts:

1- Coverage is dependent on the strength of the "L"/"S3" layer; a stronger layer can be less thick. Always incorporate Aqua-Glass and/or Aqua-Veil into the layer. Use a fiberglass roller when possible.
2- When coating foam, the density of the foam will help determine the appropriate thickness of the covering layer: the denser the foam, the thinner the coating layer can be. EPS will usually require a less thick coating than open cell foam (Styrofoam). Always use Aqua-Veil when coating foam.
3- For thin walled laminations, the percent (weight) of Aqua-Glass should be about 10-15%. This will yield the strongest laminations.
4- The appropriate thickness of "L"/"S3" laminations is typically over estimated by the end user. Most thin walled laminations with Aqua-Glass need be no thicker than 1/8"; foam coating layers with Aqua-Veil typically need be no more than 1/16 of an inch.
5- Actual coverage will vary among different users, application techniques, and with fiberglass content.

Please note, the information provided here is only a guide, and may vary from actual results achieved. The user is advised to conduct their own trials to determine the best coverage for their particular application.