

AQUA•RESIN®

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.)

Total Volume

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

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/3S3" mix. This will weigh: 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

For example: one gallon of a 1L/3S3 Mix, (17.6 lbs.) equals 231 cubic inches; therefore one gallon will cover 231 square inches at one inch thickness, and additionally 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	5.48	Solid Casting
1/4"	924	6.4	0.36	2.74	Thick Walled Laminating
1/8"	1848	12.8	0.72	1.37	Thin Walled Laminating
3/32"	2464	17.1	0.97	1.02	Foam Coating/Thin Wall Laminating
1/16"	3696	25.7	1.45	0.68	Foam Coating/Thin Wall Laminating
1/32"	7392	51.3	2.91	0.34	Foam Coating
1/64"	14,784	102.7	5.83	0.17	Foam Coating

*(Sq Ft/Lb and Lbs/Sq Ft will of course apply to any quantity of an L/3S3 mix.)

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Coverage Facts:

- 1- Needed 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 for strength. 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.
- 3- For interior use for thin walled laminations, the percent (weight) of *Aqua-Glass* should be about 10-15%. This will yield the strongest laminations. Please consult with us for exterior applications.
- 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. Figures in coverage chart are calculated using optimum application conditions.
- 6- While the Aqua-Glass/Aqua-Veil content will decrease the theoretical quantity of L/S3 mix needed for any given coating thickness, it has been omitted in our calculations to allow for the mix overage required in actual practice.
- 7- Mixing one part L to **two** parts S3, by weight, will yield a volume increase of approximately 10% less than twice the volume of the L Liquid alone.

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.