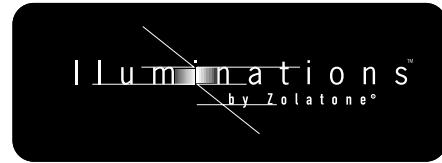


# Application Guide



**Luminations by Zolatone:** Waterbased coating comprised of highly reflective, natural colorants encapsulated in an acrylic resin and suspended in an aqueous solution.

**Material Preparation:** Luminations by Zolatone has been designed as a high viscosity material. Prepare material by gently stirring with stir stick or mud masher, and/or box material from one clean container to another to achieve uniform consistency. Material is ready for use. Normally, thinning is not required. If, however, your spray fan size (for sheer application) is significantly less than 12 – 14” (at one foot from the surface) adjust viscosity by thinning with no more than 6 ounces of water per gallon of Luminations. **Protect from freezing.**

**Surface Preparation:** All surfaces should be clean, dry, free of dust, grease, wax and if necessary deglossed. Procedures should be followed to leave the wall surface ready to accept an egg-shell to semi-gloss finish. This product reflects a great deal of light and is likely to enhance some wall surface imperfections. Careful attention should therefore be paid to all new drywall surfaces to minimize telegraphing of drywall seams and patchwork. We recommend a minimum LEVEL 4 drywall finish\* **Note:** Remove or spot prime all visible water soluble stains with SP222 ECO-BLOCK Stain Blocker before general priming.

**Primers/Basecoats:** Product performance is dependent on use of the proper primer. SPII Basecoats are formulated for maximum adhesion and intercoat compatibility. Basecoat recommendations are listed in the chart below. **Note:** Do not tint basecoat. Basecoat must always be white.

**Recommended Basecoat Chart**

Substrate	Basecoat	Application	Sq. Foot Coverage	Dry Time to Recoat
New drywall* or plaster	SP203 Acrylic Basecoat or SP92 High Performance Acrylic Sealer (2 coats or until wall is uniform and appears finished)	Brush or roll 3/8" - 1/2" nap cover Airless spray 0.017 - 0.019 tip	250 - 300	Two hours
Concrete, concrete block, masonry	First Coat: SP206 High Solids Block Filler**	Roll 1-1/4" - 1-1/2" nap cover Airless spray 0.032 tip then roll back	80 - 100	Overnight
	Optional Second Coat: SP203 Acrylic Basecoat or SP92 High Performance Acrylic Sealer	Brush or roll 3/8" - 1/2" nap cover Airless spray 0.017 - 0.019 tip	250 - 300	Two hours
Wood surfaces	SP222 ECO-BLOCK Stain Blocker (2 coats)	Roll 3/8" nap cover Airless spray 0.015 tip	250 - 300	Four hours
Ceramic tile, fiberglass, glazed block, galvanized metals, aluminum, MDF, masonite, laminate, vinyl, epoxys and urethanes	SP97 Multipurpose Waterbase Basecoat	Spray only (If airless use 0.015 tip)	300 - 400	One hour
Ferrous metals	SP91 Ferrous Metal Basecoat	Brush or roll 1/4" - 3/8" nap cover Airless spray 0.015 tip	300 - 400	One hour
Previously painted surfaces	First Coat: SP222 ECO-BLOCK Stain Blocker	Airless spray 0.017 - 0.032 tip	250 - 300	Two hours
	Second Coat: SP203 Acrylic Basecoat or SP92 High Performance Acrylic Sealer			

\* A LEVEL 4 drywall finish requires that all joints and interior angles be covered with tape embedded in joint compound as well as three separate coats of joint compound applied over all joints, angles, fastener heads and accessories. All joint compound must be smooth and free of tool marks and ridges.

\*\* All Zolatone Interior Finishes basecoats are white. Do not tint basecoat.

**Equipment:** Conventional spray equipment (compressor, dual regulated ASME-rated pressure tank and internal mix gun) is the recommended system for applying this product. Your compressor should be able to produce 6.9 to 8.0 cfm (free air) at 100 psi. Because of the relatively high pressures at which you will be spraying, it is necessary to use an ASME-rated pressure tank capable of withstanding pressures up to 110 psi. We also recommend the use of a 2001 ITW-Binks gun, 66ss fluid nozzle, 565 fluid needle, 200 air cap and associated air cap base and ring.

**Application:** The application of Luminations by Zolatone is very similar to the application of other Zolatone products. After preparing and priming the surface properly, Luminations by Zolatone should then be installed using a two-step, sheer and pattern method.

The higher pressure sheer (or background) step provides sufficient air pressure to create a fine, dry spray (see chart for recommended pressure settings). The sheer step should leave behind a uniform and complete coverage appearance on the wall surface. If the surface does not appear uniform, allow the sheer step time to dry to the touch, then re-sheer in areas where necessary. In all cases, we recommend sheering out as much wall space as possible before patterning to maximize tack time between steps.

### Recommended Equipment and Pressure Setting Chart

Compressor	Spray Gun/Air Cap	Sheer Step		Pattern Step		Approximate Sq. Feet/Day
		Air	Material	Air	Material	
1.5 HP, 6.9 cfm @ 100 psi	ITW-BINKS 2001/200 or C.A. Technologies L100C 18-200	60-65	75-80	50-55	75-80	2000-3000
2 HP, 8.0 cfm @ 100 psi	ITW-BINKS 2001/200 or C.A. Technologies L100C 18-200	65-70	80-85	55-60	80-85	2500-4000
5 HP, 20 cfm @ 100 psi	ITW-BINKS 2001/201 or C.A. Technologies L100C 18-201	75-85	90-105	65-75	80-90	5000-7000
0.75 HP, 2.5 cfm	Zolatone Interior Finishes Approved Cup Gun	See Touch Up		See Touch Up		N/A

**Note:** All settings represent working pressures. Avoid arbitrary air and fluid pressure settings. The true measure of proper equipment settings is in the final result on the wall. Pressures shown above are guidelines. Your actual settings may vary due to equipment differences, temperature of the material, environment and the work height (above the tank). The applicator is responsible for final adjustments of air and material (paint) pressures to reproduce the approved product standard. The recommended application rate for Luminations by Zolatone is up to 90-110 square feet per gallon on smooth or semi-smooth walls. If the square foot output is significantly more or less per gallon, the application techniques should be reviewed.

The pattern step is achieved by lowering the air pressure to the gun. Once installed over the sheer step, the pattern step establishes the rich, full color of the product.

Both steps should be applied using a cross-hatch technique, overlapping by 50% on each successive pass.

**Touch Up:** Set compressor to 50 psi. Turn material (paint) control knob clockwise for sheer step. After spraying turn knob counter clockwise to adjust for pattern step and reduce air pressure. Air cap must be manually turned for cross lap technique. Do not turn cup gun sideways or material will enter air passages of cup gun.

**Cleaning Instructions:** Use a sponge and soapy water to remove common stains. Do not use abrasive cleansers, only liquid cleansers are suitable for this surface. If washing the entire wall, wash from the bottom up. Clean from an adjacent clean area into the soiled area. In all cases, rinse the sponge and wall surface thoroughly to avoid streaking or soapy residues.

### Tips

- Do not tint the basecoat. Basecoat must always be white.
- It is important to apply Luminations slowly and deliberately, taking care to overlap strokes by at least 50%.
- It is important to allow some dry time between the sheer and pattern steps, especially if the sheer step does not look completely uniform. We recommend that you sheer out entire areas and allow them to dry to touch before patterning. This will help to assure full coverage while avoiding the deposit of too much material.
- Luminations products will yield up to 90 to 110 square feet per gallon (up to 9-10 sq meters/gal). Darker colors are more likely to provide square footage rates in the higher end of the range.
- To avoid leaving noticeable and abrupt fan lines at the end of your spray stroke make sure that you release the trigger before finishing your spray stroke. If lines persist, angle the gun at the end of your stroke, feathering the material out beyond typical stroke span. This is contrary to standard spray technique, but can be helpful in applying this product.
- Because of the high light reflectance value of Luminations you are likely to see what appears to be an uncoated white line running down all inside corners. Ignore it! At closer inspection you will discover that it is merely light reflecting from the surface. This is also true of reflections coming from poly masking and protection materials.
- HVLP and external mix spray guns can be used to apply Luminations, however, results may appear slightly different than our samples, production rates may be slightly slower and square foot coverage may be slightly reduced. A minimum of 12 cfm will be required of the compressor when employing either of these equipment systems. When using these alternative equipment systems, it is especially important to get a specifier sign-off of mock-up area before proceeding.