# Ornamental Art Coatings APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. These instructions should be followed closely to obtain the maximum service from the coatings.

**SURFACE PREPARATION:** The surface preparation phase should be viewed as the <u>most important</u>. Proper preparation results in the stains longevity, minimizes potential failures and creates the best environment for an aesthetically pleasing work of art. In short, the more detail and time allotted to this phase of the project will dramatically affect the appearance and durability of the finished piece.

Intended application surface must be free of all foreign materials including but not limited to dirt, grease, mold release, oil, paint and sealers.

1) Liberally apply Smith's Green Clean to he intended application surface. (Smith's Green Clean may be diluted up to 3 parts water depending on application).

2) Allow the Green Clean to remain on the substrate for 20 minutes.

3) Utilizing a 12,000 work units\* pressure washer in conjunction with a 15 degree tip, remove the Smith's Green Clean with overlapping line patterns.

4) Allow surface to dry.

5) Perform a "Tape Test".

Tape Test

A tape test will help determine the effectiveness of the cleaning process. After the surface has been thoroughly scrubbed, rinsed and allowed to dry; apply several 1 foot strips of high quality 2" packaging tape to various locations on the piece. Aggressively press the tape onto the surface with the heel of your hand. Fold one end of the tape into itself and pull it off of the surface as vigorously as possible. Examine the adhesive layer in a bright light looking for residue that was pulled from the surface. Little to no dust or other foreign particles should be visible. Areas with visible foreign material need to be scrubbed and rinsed again until the surface is free of these contaminants.

#### Test Patch

Once surface is clean and dry, create a test patch using Ornamental Art Coatings. If the test patch adhesion is satisfactory and desired color is achieved, the surface is ready for application.

**DILUTION / MIXING ORNAMENTAL ART DYE STAINS:** <u>Ornamental Art Dye Stains</u> are supplied as a concentrate. The dilution ratio is 1 part concentrate to 4 parts distilled, deionized or reverse osmosis type water. Mixing concentrate with water will result in ready to use. <u>Ornamental Art Stains</u> are achieved by simply diluting Ornamental Art Paints 1 part paint with 1 part distilled, deionized or reverse osmosis water.

NOTE: "Hard" water has an adverse affect o Ornamental Art Dye Stains and Stains. Therefore, in order to achieve maximum service distilled, deionized or reverse osmosis type water is recommended.

**THINNING:** The recommended dilution ratio for Ornamental Art Dye Stains can be found in Dilution / Mixing section. Increased transparency as well as lighter color shade can be achieved by increasing the dilution ratio (amount of water to concentrate). The dilution ratio should not surpass 1 part concentrate to 8 parts distilled, deionized or reverse osmosis water.

Note: As dilution ratio increases, the amount of vehicle solids (glue) decreases resulting in a less durable stain.

**ORNAMENTAL ART PAINTS:** Supplied as a "ready to use" coatings.

#### **APPICATION DIRRECTIONS:**

	<u>Material</u>	Surface	Ambient	Humidity
Normal	60-90°F	65-85°F	65-90°F	10-60%
Minimum	50°F	50°F	50°F	0%
Maximum	105°F	120°F	110°F	80%

### **APPLICATION METHOD:**

Ornamental Art Paints, Stains and Dye Stains can be applied via airless sprayer, HVLP (High Volume Low Pressure), production gun, airbrush, dipping, roller, sponge, rag and bristle brush. All Ornamental Art Coatings are compatible within a product type (e.g. paint line), thus can be mixed, applied simultaneously and layered to achieve a desired appearance.

NOTE: Mixing colors from differing Ornamental Art product lines is not recommended (e.g. mixing paint with dye stain).

**PAINTS** are viscous, pigmented, high hiding coatings that achieve a uniform semi-gloss finish. The Paint line can be used a base coat as well as a highlight or antique.

**STAINS** are pigmented and high hiding coatings with a lower viscosity (thinner) than the Paint line. The Stain is achieved by simply diluting 1 part Ornamental Art Paint with 1 part distilled water. The Stain line is the ideal coating for heavily detailed ornaments.



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**DYE STAINS** are designed to dye the medium resulting in a natural variegated appearance. The Dye Stain line is not high hiding; rather changes the surface color. The natural aged appearance is the result of the various specific gravities of the color pigments as well as the absorbency of the applied surface drawing more or less Dye Stain.

**SECONDARY / HIGHLIGHT COAT:** To achieve increase color depth or modeled appearance. A secondary or highlight can be applied as soon as prior coating is dry to the touch.

DRY TIMES: (optimal)					
	Relative	Dry to	Shipping/		
Temperature	<u>Humidity</u>	the Touch	Water Submersion		
70°F	30%	15-20 min	48 hours recommended		

Note: High humidity and lower temperatures will lengthen dry and cure times. Dry time can be shortened by increasing temperature and air flow. Proper adhesion will develop with a 24 hour cure time.

**CLEAN UP:** Immediately clean up work area and tools with water while stains are still wet.