

# Aquations



Pre-Catalyzed Waterborne Epoxy  
Interior

Satin Finish • **5220**  
Semi-Gloss Finish • **5230**

**Product Description**

A specially formulated pre-catalyzed, single component interior acrylic epoxy coating that offers performance similar to traditional two-component waterborne epoxies, but without all the difficulties that two-component products exhibit. The satin and semi-gloss finishes offer excellent hardness, durability, stain and abrasion resistance. It is easy to apply, offers excellent coverage, adhesion, block resistance and provides excellent corrosion and chemical resistant properties. Its special formulation is low odor, VOC compliant and ideal for application in schools and medical facilities. **For interior use only.**

**Recommended Substrates**

- Primed ferrous & non-ferrous metals
- Wood doors and trim
- Drywall and plaster
- Brick, masonry and concrete

**Product Features**

- Waterborne acrylic epoxy formula
- Excellent durability and coverage
- Abrasion, corrosion and chemical resistant
- Excellent color and gloss retention
- Low odor and VOC compliant
- Soap and water clean up

**Product Limitations**

This product is for interior use only on properly prepared above grade vertical substrates. Do not apply to horizontal surfaces or areas that come in constant contact with moisture or standing water.

- Application:** Brush, roller, airless or conventional spray  
**Flash Point:** >200°F Non-Flammable  
**Clean Up:** Soap and water  
 Available bases | 5220: WB  
 Available bases | 5230: WB

**Compliance**

These products are VOC compliant based on limits provided by EPA, CARB, MPI GSP-1 & GSP-2, LEEDv4, OTC and SCAQMD.

**Product Data**

Product Type:	Waterborne Acrylic Epoxy	
	<b>5220</b>	<b>5230</b>
Gloss @60 °:	10 - 20	50-60
Wt Solids ±2%:	51%	48%
Vol Solids ±2%:	37%	36%
Wet Film Mils:	4.0 - 5.3	4.0 - 5.3
Dry Film Mils:	1.5 - 2.0	1.4 - 1.9
Coverage / Gal *	300 - 400	300 - 400
* coverage and wet and dry millage will vary by substrate type and porosity.		
VOC gms p/L**:	<100	<100
** less exempt solvents and before the addition of colorant		
Viscosity KU ±5:	100	95
Dry time @ 50% RH***:	1 HR to touch 6 -8 HRS to recoat 3 Days full cure	
*** dry times, pot life & recoat times listed may vary according to the relative humidity, temperature, film build, color and air movement of the application environment		
Shelf Life	One (1) Year unopened	

**Performance Testing Data**

- ASTM D3559 Adhesion**  
4B Excellent - less than 5% removed  
**ASTM D4946 Block Resistance**  
Lab assessment - excellent  
**ASTM D3363 Pencil Hardness**  
Medium hardness - "F" Rating  
**ASTM D2486 Scrub Resistance**  
Excellent 750-900 cycles  
**ASTM D1653 Water Vapor Permeance**  
5 -7 Perms

**Chemical & Stain Resistance Chart**

Y = Resistant S = Splash / Spillage E = Excellent L = Limited

	One (1) hour exposure, direct to dry film after 28 day cure			One (1) hour exposure, 4 day cure	
Acetic Acid 10% (Vinegar)	Y	Methanol (Fuel alcohol)	Y	Coffee	E
Animal Urine	Y	Mineral Spirits	Y	Grape Juice	E
Antifreeze	Y	Motor Oil	Y	Ink	*L
Ethanol (Potable alcohol)	Y	Phosphoric Acid 5%	Y	Ketchup	E
Bleach	Y	Sodium Hydroxide 25%	Y	Mustard	E
Cooking Oil	Y	Sulfuric Acid 50%	*S	Red Crayon	*L
Distilled Water	Y	Vegetable Oil	Y	Red Lipstick	*L
Hydrochloric Acid 10%	Y			Tea	E

\*Will stain unless promptly removed

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**Florida Paints and Coatings, LLC**

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# FLORIDA PAINTS

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## Surface Preparation

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**General Surface Preparation:** The performance of this product is dependent on the integrity and soundness of the substrate. All surfaces should be clean and free of any dirt, rust, grease, mill oils, mill scale, efflorescence, organic growth, mildew or other contaminants that might adversely affect the adhesion and performance of this product. Any failed or deteriorated caulk or patching compound should be removed and replaced. Unpainted surfaces should be primed in accordance with manufacturer's recommendations. Glossy substrates should be deglossed prior to painting.

**Mildew** - Surface areas affected by mildew should be treated with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

**Drywall & Plaster:** Nails or screws should be countersunk, and they along with any indentations should be mudded flush with the surface, sanded smooth and cleaned to remove any dust, then primed or sealed prior to painting the substrate. Plaster, hardcoat, skim coat or other alkaline surfaces should be allowed to cure for at least 30 days prior to priming with an alkali resistant primer.

**New Concrete, Stucco and Masonry Surfaces:** New concrete and masonry should cure for at least 30 days and preferably 90 days prior to painting. The pH of the substrate must be less than 10 prior to priming with an alkali resistant primer. Block mortar joint should cure for at least 30 days prior to priming. Fill block with appropriate blockfiller.

**Wood:** Unpainted wood or wood in poor condition should be sanded smooth, wiped clean and then primed. Any knots or resinous areas must be primed before painting. Countersink all nails, putty flush with surface, then prime with a quality stain blocking primer.

**Ferrous Metal:** The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants and then primed with a corrosion resistant primer.

**Application:** Stir product thoroughly in a spiral up and down motion before use and during application. Use a quality nylon or polyester brush, a 3/8" to 3/4" nap synthetic shed resistant roller cover, or airless sprayer with a minimum pressure of 2000 PSI and a .015"-.019" tip. To assure color uniformity intermix multiple containers of same color and apply a small test area to verify color.

**Thinning:** Stir thoroughly and apply as it comes from the container, thinning is not necessary under normal conditions.

**Coverage & Dry Time:** Covers approximately 300-400 square feet per gallon, depending on the method of application and the porosity of the surface to be painted. Dries to touch in approximately 1 hour and may be recoated in 6-8 hours when humidity is low. Do not use when air, surface or product temperatures are below 50°F or above 100°F. Cleaning should not occur until 30 days after the initial application.

**Clean Up:** Minor spills and spatters should be immediately cleaned with soap and water, as well as any painting tools and airless spray equipment. More serious spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

## Safety

**CAUTIONS: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY! USE ONLY WITH ADEQUATE VENTILATION!** Avoid prolonged contact with skin, and breathing of dust, vapors or spray mists. Avoid contact with eyes and wear eye protection. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the fumes and wear clothing designed to prevent skin contact. . Wash skin thoroughly after handling. Close container after each use and store in a secure, shaded and dry location.

**First Aid:** Wash skin thoroughly with plenty of warm soap and water. In case of eye contact immediately flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing leave area to obtain fresh air. If continued difficulty is experienced get medical attention immediately. If swallowed do not induce vomiting and get medical attention immediately.

## Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

Florida Paints believes the technical data represented in this technical bulletin to be current and up to date. However, Florida Paints makes no warranties or guarantees either expressed or implied. Florida Paints claims no responsibility from damages incurred from use by either the purchaser or user of the product.

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