

# Aquations



## Pre-Catalyzed Waterborne Epoxy Interior

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 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 | 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**

Gloss @60°: **5230**  
50-60

Wt Solids ±2%: 48%  
 Vol Solids ±2%: 35%  
 Wet Film Mils: 4.0 - 5.3  
 Dry Film Mils: 1.4 - 1.9  
 Coverage / Gal\*: 300 - 400

\* coverage and wet and dry millage will vary by substrate type and porosity.

VOC gms p/L\*\*: <100

\*\* less exempt solvents and before the addition of colorant

Viscosity KU ±5: 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

## Pre-Catalyzed Waterborne Epoxy Interior

Semi-Gloss Finish • 5230

### 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). Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**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.

**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. **Drywall:** 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:** 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. **New 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.

### Directions for Use

**Application:** Mix thoroughly prior to use and occasionally during the application process. Product should be applied by brush, roller or airless spray. Apply coating evenly by maintaining a "wet edge" and working the material deep into the cracks and voids in the substrate. When using roller application, product should be applied in a downward direction to allow for a uniform finish. When using airless spray application "back rolling" is recommended to work the material into the pores and reduce pinholes in the film. **Thinning:** Thinning is not required under normal conditions. **Clean Up:** Tools should be cleaned immediately after use with warm, soapy water. Spray equipment should be flushed thoroughly after each use. **Brush:** Use quality nylon or polyester bristle brushes. **Roller:** Use a 3/8" to 3/4" synthetic or lamb's wool cover depending on porosity. **Airless:** Minimum tip size between .015 - 019. Tip size should reflect the type of equipment and pressure being used. **Dry Time and Curing:** 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.

### SAFETY:

**CAUTION:** Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. USE WITH ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety glasses, goggles or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. DO NOT TAKE INTERNALLY!

**Caution!** There is the potential to release lead dust if you sand scrape or remove old paint. Lead is toxic and exposure to lead dust particles can cause serious illness including brain damage especially in children. Pregnant women should avoid exposure. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the particles and wear clothing designed to prevent skin contact. Clean up carefully with a HEPA vacuum and a wet mop. Before starting your project, you can find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or visit their website at [www.epa.gov/lead](http://www.epa.gov/lead).

**DO NOT TAKE INTERNALLY! FIRST AID:** In case of skin contact, wash thoroughly with appropriate cleaning solvent followed by plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes, SEEK IMMEDIATE MEDICAL ATTENTION! If affected by inhalation, move immediately to fresh air. If swallowed, DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ATTENTION!

### 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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