

## FloroCryl Stain System

**Product Description:** FloroCryl Stain is a 100% based Acrylic (MMA) stain flooring system. This is a high wearing, low maintenance alternate to the traditional ways of colorizing concrete. FloroCryl Stain is available in a variety of colors.

### Typical Uses, Applications:

- Pool Decks
- Sidewalks & Stairs
- Showrooms
- Outdoor Patios & Decks

### Product Advantages:

- *Rapid Cure Time*
- 100% Reactive
- Chemical Resistant
- UV Resistant
- Interior and Exterior Use

### Packaging:

- Stain Base: 5 gal. pail
- Stain Concentrate: 1 gallon or Quart
- Topcoat: 5 gal. pail

### Coverage & Application:

**Step 1. Stain Base Primer** Add 1 to 6 volume oz. of MMA Stain concentrate to 1 gal. of MMA stain base. Add appropriate amount of catalyst. Apply at 160 ft<sup>2</sup> /gal.

**Step 2. 1<sup>st</sup> Topcoat Clear** Add appropriate amount of catalyst. Apply at 160 ft<sup>2</sup>/gal.

**Optional:** If richer color is desired add 1to 6 volume oz. of stain concentrate into the 1<sup>st</sup> L2 topcoat.

**Step 3. 2<sup>nd</sup> Topcoat Clear** Add appropriate amount of catalyst. Apply at 160 ft<sup>2</sup>/gal.

*Note: Always finish with final 2<sup>nd</sup> L2 in clear coat.  
Optional Skid resistant additive may be used.*

**Surface Preparation:** New concrete must have a 28 day cure, and preferably a broom swept finish, prior to coating. In case of older

concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, passes the MVT test and the water drop test and that all surface defects have been repaired. Refer to the Florock "Preparation of Concrete" datasheet for more information on preparation and MVT before proceeding.

*Note: Surface defects, such as spalls and cracks, shall be repaired before proceeding. Bond tests shall be conducted to determine the adequacy of substrate preparation. Contact your Florock representative for more information.*

### Physical Characteristics

<u>Property</u>	<u>Value</u>
Percent Reactive	100%
Pot Life @ 68 F minutes	10-20
Cure & Recoat Time @ 68° F minutes	25-35
Tensile Modulus, ASTM D638	400,000 psi
Tensile Strength, ASTM D638	3,550 psi

**Storage:** All containers should be stored below 95° F and should be kept tightly sealed and out of direct sunlight.

*Note: If material is stored between 75° F and 95° F place the material into a cooler environment at least 24 hours prior to usage. Using warm Methyl Methacrylate will shorten the working time.*

**Chemical Resistance Data is as Follows:**

**Organic Compounds cont'd**

<b>Chemical Description</b>	<b>FloroCryl Stain</b>
<b><u>Acids</u></b>	
Hydrochloric Acid, 10%	R
Hydrochloric Acid, 38%	R
Sulfuric Acid, 10%	R
Sulfuric Acid, 30%	R
Sulfuric Acid, 50%	R
Sulfuric Acid, 80%	R
Potassium Hydrogen Sulfate	R
Chromic Acid, 10%	R
Chromic Acid, 40%	L
Nitric Acid, 10%	R
Nitric Acid, 30%	R
Nitric Acid, 50%	L
Phosphoric Acid, 10%	R
Phosphoric Acid, 20%	R
Phosphoric Acid, 30%	R
Phosphoric Acid, Conc.	R
Formic Acid, 10%	R
Lactic Acid, 10%	R
Oleic Acid, Conc.	R
Acetic Acid, 10%	R
Acetic Acid, 25%	R
Acetic Acid, 30%	R
Acetic Acid, 80%	R
Tartaric Acid, 10%	R
Tartaric Acid, 40%	R
Citric Acid	R
Trichloroacetic Acid	F
Metal Pickling Agent	R

<b>Chemical Description</b>	<b>FloroCryl Stain</b>
Fuel Oil, Heavy	R
Petroleum Spirit, Normal	R
Petroleum Spirit, High Octane	R
Mineral Oil	R
Kerosene	R
Motor Oil	R
Cutting Oil	R
Edible Oil	R
Diethyl Phthalate	R
Dibutyl Phthalate	R
Tricresyl Phosphate	R
Tributylphosphate	R
Formaldehyde, 40% aq.	R
Monochlorobenzene	F
Nitrobenzene	F

**Compounds mixed with Water**

Water	R
Water w/ 1% Detergent	R
Sea Water	R
Sodium Sulphate, 20%	R
Potassium Carbonate, 10%	R
Hydrogen Peroxide, 3%	R
Hydrogen Peroxide, 15%	R
Hydrogen Peroxide, 30%	R
Bleach Lye	R
Sodium Sulphide, 20%	R
Sodium Cyanide, 10%	R

**Organic Compounds**

Acetic Acid Anhydride	F
Terpentine	R
Tetraline	L
Benzene	L
Toluene	L
Xylene	L
Cumol	L
Perchloroethylene	L
Acetic Acid Ester	F
Acetone	F
Carbon Tetrachloride	L
Styrene	R
Methanol	R
Ethanol	R
Ethanol, 60% aq.	R
Isopropanol	R
Glycerol	R
Ethylene Glycol	R
Cellosolve Solvent	R
Phenol	R
Liquid Paraffin	R
Cyclohexane	R
Petroleum Ether	R
Diesel Oil	R
Fuel oil, Light	R

**Alkalis**

<b>Chemical Description</b>	<b>FloroCryl Stain</b>
Sodium Hydroxide, 10%	R
Sodium Hydroxide, 30%	R
Sodium Hydroxide, 50%	R
Potassium Hydroxide, 10%	R
Potassium Hydroxide, 30%	R
Potassium Hydroxide, 50%	R
Ammonia, 10%	R
Ammonia, 25%	R

**Miscellaneous**

Orange, Apple, Citrus Juice	R
Animal Fats	R
Vegetable Fats	R
Red Wine	R
Malt Drinks	R
Milk	R
Blood	R

**R = Resistant; appropriate for long term spills and secondary containment**  
**L = Limited Resistance; appropriate for splashing and spills that are promptly cleaned up**  
**F = Not Recommended**

## FloroCryl Stain System

FloroCryl Stain and L2 topcoats are cured with FloroCryl MMA Catalyst. In some cold temperature applications, an accelerator is used in addition to the catalyst. Refer to the FloroCryl MMA Catalyst or Accelerator technical data sheet for further information.

### **Caution:**

FloroCryl is a flammable liquid having a flash point of 50° F. Smoking, open flames and sparks should not be permitted during the handling of the product. Use only as directed. Keep out of reach of children. Please read the material safety data before using this product.

### **Disclaimer:**

All statements and recommendations above are based on experience we believe to be reliable. The use or application of these products being beyond the control of the Seller or Manufacturer, neither Seller nor Manufacturer make any warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability of a product for an intended use shall be solely up to the User