

FloroCryl MMA L2 Topcoat MMA Flooring Component

Product Description: FloroCryl L2 Topcoat is a low viscosity methyl methacrylate (MMA) resin intended for use as the chemical and abrasion resistant topcoat for interior and exterior applications. Typical spread rates range from 10 to 16 mils per application. FloroCryl L2 Topcoat is available in clear or silver-grey. FloroCryl L2 Topcoat may be field tinted using MMA Pigments.

Typical Uses, Applications:

- Topcoat for FloroCryl MMA Flooring Systems

Product Advantages:

- Clear or Pigmented Silk Matt Finish
- Rapid Cure Time
- 100% Reactive
- Low Viscosity
- Superior Bond Strength
- Chemical Resistant
- UV Resistant
- Interior and Exterior Use

Packaging:

- 5 gallon pail

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.

Coverage: Apply FloroCryl L2 Topcoat at 160 ft²/gal over a smooth surface to achieve a coating of 10 mils. Apply FloroCryl L2 Topcoat at 100 ft²/gal over a textured surface to achieve a coating of 16 mils.

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 | |
|---|------------------------|
| Property | Value |
| Percent Reactive | 100% |
| Pot Life @ 68 F | 15-20 minutes |
| Cure & Recoat Time @ 68 F | 30-45 minutes |
| Tensile Modulus, ASTM D638 | 300,000 psi |
| Tensile Strength, ASTM D638 | 3,550 psi |
| Compressive Strength ASTM C 109 | 8,000 psi |
| Density, ASTM D792 | 8.40 lb/gal |
| Water Absorption, ASTM D570 | 0.04% |
| Coefficient of thermal expansion, ASTM D696 | 0.000035 in/in/F |
| Flexural Modulus, ASTM D790 | 470,000 psi |
| Shore Hardness, ASTM D2240 | 80 |
| Shelf Life | 6 months |
| Taber Abrasion Resistance, ASTM D4060 | 54 |
| Multiple coat solution weld | yes |
| Flexural Strength ASTM D 257 ASTM C 580 | 3,700 psi 2,700 psi |

Chemical Resistance Data is as Follows:

| Chemical Description | FloroCryl L2 Topcoat |
|----------------------------|-------------------------|
| <u>Acids</u> | |
| 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 |

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 |
| Skydrol | 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 |

Organic Compounds (cont.)

| | |
|-------------------------------|---|
| Fuel oil, Light | R |
| 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 |

Alkalis

| Chemical Description | FloroCryl L2 Topcoat |
|--------------------------|-------------------------|
| 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 MMA L2 Topcoat MMA Flooring Component

Application: FloroCryl L2 Topcoat is 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 technical data sheet for further information. Mix FloroCryl L2 and then transfer 2.5 gallons into the batch pail. Add catalyst and remix. Once mixing is complete, immediately transfer the product onto a previously primed or basecoated substrate. Depending on the substrate texture, spread using a flat or notched squeegee at a rate of 100 to 160 ft² per gallon and then back roll using a short nap roller. It is strongly recommended that a second coat of FloroCryl L2 Topcoat be applied to any FloroCryl MMA Flooring System.

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