

FloroCryl Deck MMA Flooring System

Product Description: FloroCryl Deck is a methyl methacrylate based flooring system designed to provide waterproofing, shock absorption and energy displacement. FloroCryl Deck comprises a primer, membrane, an optional basecoat/aggregate layer and topcoats.

Typical Uses, Applications:

- Parking Garages/Ramps
- Loading Docks
- Freezers
- Refrigerators/Coolers
- Bottling Areas

Product Advantages:

- Rapid Cure Time
- Excellent Bond Strength
- Chemical Resistant
- Flexible System
- Waterproof

System Packaging:

- 5 gallon pail
- FloroCryl Silica Sand (optional) 50 pound bags

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.

Economy Coverage, 70 ml application

- Primer GRB1 @ 160 ft²/gal
- Membrane (M) @ 40 ft²/gal
- 1st Topcoat (L2) @ 160 ft²/gal
- 2nd Topcoat (L2) @ 160 ft²/gal

Economy Coverage, 1/16" application

- Primer GRB1 @ 160 ft²/gal
- Membrane (M) @ 40 ft²/gal
- Basecoat (N3) @ 160 ft²/gal

- Broadcast Sand into wet basecoat @ 0.5 lb/ft²
- 1st Topcoat (L2) @ 100 ft²/gal
- 2nd Topcoat (L2) @ 160 ft²/gal

Physical Characteristics	
Property	Value
Percent Reactive	100%
Tensile Strength, ASTM D638	2,175 psi
Water Absorption, ASTM D570	0.04%
Compressive Strength, ASTM D695	8,000 psi
Flexural Strength, ASTM D790 / (Heavy Duty Application)	3,700 psi
Flexural Modulus, ASTM D790 / (Heavy Duty Application)	470,000 psi

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.

Economy 70 mil system application instructions:

Primer: Premix GRB1 and pour 2.5 gallons into the batch pail. Add the appropriate amount of catalyst (see catalyst technical data sheet) and remix. If colorant is needed, add 100% colorant at this point. Once mixing is complete,

immediately transfer the product onto a properly prepped substrate. Spread using a notched trowel or squeegee at a rate of 160ft² per gallon and then back roll using a high quality 3/8" nap roller.

Membrane: FloroCryl M Membrane 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 more details. Mix FloroCryl M Membrane and pour 2.5 gallons into the batch pail. Catalyze and then dump out pail contents onto the primed substrate and apply at 40 ft²/gal using a notched squeegee; back roll using a pin roller.

Topcoats: 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 base coat substrate. Apply the first coat using a flat or notched squeegee at a rate of 100 to 160 ft²/gal, back roll using a short nap roller, and then apply a second coat at a rate of 100 to 160 ft²/gal.

Heavy Duty System 1/6" system application instructions:

Primer: Apply same as in 70 mil system

Membrane: Apply same as in 70 mil system

Basecoat & Sand Broadcast:

Premix N3 basecoat and pour 2.5 gallons into the batch pail. Add the appropriate amount of catalyst (see catalyst technical data sheet) and remix. Once mixing is complete, immediately transfer the product onto a properly prepped substrate. Spread using a notched trowel or squeegee at a rate of 160ft² per gallon and then back roll using a high quality 3/8" nap roller. Broadcast 40/100 mesh silica sand to excess and when cured sweep and vacuum any excess sand.

Topcoats: Apply same as in 70 mil system

Caution:

FloroCryl M Membrane 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.