

FloroCryl SL MMA Flooring System

Product Description: FloroCryl SL is a fast curing, high strength, methyl methacrylate (MMA) based acrylic flooring system consisting of a primer, an optional basecoat and topcoats. FloroCryl SL can be applied to achieve total system thickness ranging from 30 to 125 mils. FloroCryl SL is beneficial in eliminating concrete dust as well as improving overall appearance.

Typical Uses, Applications:

- Traffic Areas
- Warehouses
- Textiles
- Stadiums
- Light Manufacturing Areas
- Containment Areas
- Sidewalks and Stairs
- Walk in Coolers/Freezers

Product Advantages:

- Excellent Bond Strength
- Available Slip-Resistant Finish
- Easy to Clean and Sterilize
- Fast Cure Time
- Weatherproof and UV resistant
- Chemical Resistant
- Low Maintenance cost

Packaging:

- GRB1, M, N4 and L2 are packaged in 5 gallon pails
- Filler blend is packaged in 33 pound bags
- RC Catalyst is packaged in 10 pound and 55 pound boxes

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.

Physical Properties		
Property	Test Method	Results
Tensile Strength	ASTM D638	2,175psi
Compressive Strength	ASTM D695	8,000psi
Water Absorption	ASTM D570	0.04%
Flexural Strength	ASTM D790	3,700 psi
Flexural Modulus	ASTM D790	470,000 psi
Percent Reactive	EPA 24	100%

Economy Coverage 30 to 48 Mil system:

Primer:

- Apply FloroCryl GRB1 Primer at 100 to 160 ft²/gallon

Topcoats:

- Apply first FloroCryl L2 topcoat at 100 to 160 ft²/gallon
- Apply second FloroCryl L2 topcoat at 100 to 160 ft²/gallon

Standard Coverage 90 to 131 Mil system:

Primer:

- Apply FloroCryl GRB1 Primer at 100 to 160 ft²/gallon

Basecoats:

- Apply FloroCryl N4 with filler at 80 ft² per batch for a 60 mil basecoat (total system thickness of 90 mils). Apply FloroCryl N4 with filler at 50 ft² per batch for a 95 mil basecoat (total system thickness of 125 mils)

Topcoats:

- Apply first FloroCryl L2 topcoat at 160 ft²/gallon
- Apply second FloroCryl L2 topcoat at 160 ft²/gallon

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

Coving: If coving is desired, this should be done prior to the application Florocryl SL. Refer to the Florocryl Cove technical data sheet for further information.

Membrane Installation: If a membrane is desired, this should be completed prior to the application of Florocryl SL. Refer to the Florocryl Membrane technical data Sheet for further information.

Typical Application:
Economy 30 to 48 mil system

Primer Application: Premix FloroCryl GRB1 and then transfer 2.5 gallons into the batch pail. Make a batch of Florocryl GRB1 primer by mixing 2.5 gallons with the appropriate amount of catalyst (see catalyst technical data sheet). If colorant is needed add 100% colorant at this point. Once mixing is complete, immediately transfer the product onto 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 3/8” nap phenolic core roller.

Note: After allowing sufficient time (approx. 45 minutes), walk the floor to inspect for a low sheen finish throughout. If glossy areas are found, do not proceed with the installation of the floor and contact a Florock representative immediately.

Topcoat Application: Premix FloroCryl L2 and then transfer 2.5 gallons into the batch pail. Add catalyst and remix. If colorant is needed add 100% colorant at this point. Once mixing is complete, immediately transfer the product onto a previously coated substrate. Depending on the substrate texture, spread using a flat or notched squeegee at a rate of 100 to 160 sf per gallon then back roll using a short nap roller. After allowing for sufficient curing time (60 minutes), reapply Florocryl L2 Topcoat in the same fashion at 100 to 160 ft² per gallon.

Typical Application:
Standard 90 to 131 Mil system

Primer Application: Premix FloroCryl GRB1 and then transfer 2.5 gallons into the batch pail. Make a batch of Florocryl GRB1 primer by mixing 2.5 gallons with the appropriate amount of catalyst (see

catalyst technical data sheet). Once mixing is complete, immediately transfer the product onto substrate. Depending on the substrate texture, spread using a flat or notched squeegee at a rate of 160 ft² per gallon and then back roll using a 3/8” nap phenolic core roller.

Note: After allowing sufficient time (approx. 45 minutes), walk the floor to inspect for a low sheen finish throughout. If glossy areas are found, do not proceed with the installation of the floor and contact a Florock representative immediately.

Basecoat Application:

Premix N4 and pour into 1.25 gallons into the batch pail. Make a batch of Florocryl N4 by mixing 1.25 gallons with the appropriate amount of catalyst (see catalyst technical data sheet) and add 33 pounds of MMA filler. If colorant is needed add 100% colorant at this point. Once mixing is complete, immediately transfer the product onto primed substrate. Spread using a notched trowel or squeegee at a rate of 50 to 80 ft² per batch and then backroll using a spiked roller.

Topcoat Application: Premix FloroCryl L2 and then transfer 2.5 gallons into the batch pail. Add catalyst and remix. If colorant is needed add 100% colorant at this point. Once mixing is complete, immediately transfer the product onto a previously coated substrate. Apply using a flat or notched squeegee at a rate of 160 ft² per gallon and then back roll using a short nap roller. After allowing for sufficient curing time (60 minutes), reapply Florocryl L2 Topcoat in the same fashion at 160 ft² per gallon.

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.