

FloroCryl Build MMA Mortar System

Product Description: FloroCryl Build is a three component MMA flooring system that is ideal for areas that are subject to high mechanical and chemical wear. FloroCryl Build is an easily cleanable floor that can be made with smooth or slip-resistant finishes.

Typical Uses, Applications: Ideally suited for use in industrial, commercial and institutional applications such as:

- Loading Docks
- Industrial Kitchens
- bakeries
- Slaughter Houses
- Food industry
- Bottling Areas
- Walk in Coolers/Freezers

Product Advantages:

- Rapid cure time
- Excellent chemical resistance
- Easy to clean and sterilize
- Weatherproof and UV resistant
- Available in Slip-resistant Finish
- Excellent bond strength
- Low maintenance cost

Packaging:

- GRB1,M, N4 and L2 are packaged in 5 gallon pails
- Build and Quartz aggregates, BC or TR grade are packaged in 50 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%

Coverage:

Primer :

- Apply FloroCryl GRB1 Primer at 100 to 160 ft²/gallon
- Broadcast Silica Sand into wet primer at a rate of 1 pound per 100ft²

Mortar Basecoat:

- Apply FloroCryl N4/Build Mortar mixture over 25 to 32 ft² per batch.
- Broadcast aggregates at a rate of 4 to 15 pounds per 1,000sf for a non slip texture.

Topcoats:

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

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

Coving: If coving is desired, this should be done prior to the application Florocryl Quartz. 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:
3/16"-1/4" Thickness:

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 100 to 160 ft² per gallon 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 2.0 gallons into the batch pail. Add the appropriate amount of catalyst and remix (see catalyst technical data sheet). Once mixing is complete, add 50 pounds of aggregate (Quartz or Approved Aggregate) to the 2.0 gallons of catalyzed Florocryl N4, if colorant is needed add 100% colorant at this point. Once mixing is complete, immediately transfer the product onto a previously primed substrate. Spread using a flat trowel at a rate of 25 to 32 ft² per batch. Finish surface by smoothing with a flat trowel (do not try to compress the mortar)

Note: If an Anti-slip texture is desired broadcast aggregate into the still wet N4 Mortar basecoat. Contact your Florock representative for more information.

Topcoat Application: Premix FloroCryl L2 and then transfer 2.5 gallons into the batch pail. Add the appropriate amount of catalyst and remix (see catalyst technical data sheet). If colorant is needed add 100% colorant at this point. Once mixing is complete, immediately transfer the product onto a previously basecoated substrate. Spread using a flat or notched squeegee at a rate of 100 to 160 ft² per gallon, then back roll using a 3/8" nap phenolic

core roller. After allowing for sufficient curing time (60 minutes), reapply Florocryl L2 Topcoat in the same fashion at 100 to 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