

FloroCryl N4 Heavy Slurry Basecoat/ Mortar Resin

MMA Flooring Component

Product Description: FloroCryl N4 is a medium viscosity, elastic, clear Methyl methacrylate resin for use in producing a heavy slurry (60 to 125 mils) or a troweled mortar (187 to 250 mils). FloroCryl N4 can be field tinted with 100% colorants. Florocryl N4 Basecoats are intended for moderate mechanical use when used in a heavy slurry system or heavy mechanical use when used in a troweled mortar system.

Typical Uses, Applications:

- FloroCryl Quartz System
- FloroCryl Chip System
- FloroCryl Shop System
- FloroCryl Build System

Product Advantages:

- Rapid Cure Time
- 100% Reactive
- Superior Bond Strength

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 N4 Slurry Basecoat at a minimum of 60 mils with MMA filler and a maximum of 125 mils. Apply Florocryl N4 Build Basecoat at 187 to 250 mils with a variety of aggregates.

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" data sheet for more information on preparation and MVT before proceeding. Prime using GRB1 before applying N4.

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 @ 70 F	15-20 minutes
Cure & Recoat Time @ 70 F	40-60 minutes
Tensile Modulus, ASTM D638	50,000 psi
Tensile Strength, ASTM D638	1,950 psi
Density, ASTM D792	8.36 lb/gal
Water Absorption, ASTM D570	0.04%
Compressive Strength, ASTMD695	7,800 psi
Shore Hardness, ASTM D2240	70
Shelf Life	6 months

Application:

For Slurry System: Premix N4 and pour 1.25 gallons into the batch pail. Make a batch of Florocryl N4 Heavy Slurry 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 40 to 80ft² per batch and then backroll using a spiked roller.

For Mortar Resin System: Premix N4 and pour 2 gallons into the batch pail. Make a batch of Florocryl N4 Build by mixing 2 gallons with the appropriate amount of catalyst (see catalyst technical data sheet) and add 50 pounds of Quartz (different aggregates maybe used). If colorant is needed add 100% colorant at this point. Once mixing is complete, immediately transfer the product onto primed substrate. Spread using a steel trowel at a rate of 32 ft² per batch to achieve a 3/16" (187 mils). Spread using a steel trowel at a rate of 25 ft² per batch to achieve a 1/4" (250 mils). In situations where a slip resistant finish is required, broadcast additional aggregate into the troweled mortar at a rate of one pound per 10ft².

Note: When aggregates other than quartz are used, additional aggregates per batch may be needed to get proper results. Contact your Florock Representative.

Note: FloroCryl N4 Basecoat 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.

Note: N4 is not a stand alone product and must be topcoated.

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.