ACRYLIC POLYMER ADDITIVE

Product Description: Florock one-component acrylic polymer additive promotes high bond strength and thermal shock resistance to any concrete floor. It is combined with Portland cement and sand, eliminating the need for water. It can be trowel applied @ 1/8"to 1/2" to protect new floors or to repair old floors. This mortar is excellent for pitching to drains. The final surface is very hard and long-wearing. It can be a stand alone system when a cementitious appearance is acceptable or can be resurfaced with any of the Florock flooring systems.

Typical Uses, Applications: Ideally suited for concrete patching, pitching to drains or used for underlayment. This coating is highly used in commercial and institutional facilities, such as:

- Kitchen Fryer Areas
- Vehicle Services Areas
- Food Processing Plants
- Breweries, Wineries & Dairies
- Coolers & Freezers
- Wet & dry Process Areas
- Laboratories

Product Advantages:
- Shock Resistant
- High Bond & Compressive Strength
- Solvent-Free Installation
- Economical
- Slip Resistant
- Easy to Apply

Packaging:
- 5 Gal Pail
- 55 Gal Drum

Cured Physical Properties		
Abrasion Resistance CS 10 Wheel (1000g load)	ASTM D4060 1000 Cycles	0.24 gm loss
Adhesion	ASTM D-4541	Substrate Failure
Tensile Strength, psi	ASTM C-307	830
Flexural, psi	ASTM C-293	2,010
Impact in lbs.	ASTM D-24444	24
Compressive Strength, psi	ASTM D-695	5,790

Storage: All containers should be stored at 40° F to 95° F and be kept tightly sealed and out of direct sunlight. KEEP FROM FREEZING.

Coverage:
For a ¼" topping mix the following to cover 200 sf:

5 gallons	Polymer Additive
94 lbs.	Portland Cement
300 lbs.	Masonary Sand and/ or Sand Aggregate

Note: For thicker topping, substitute #2 sand with appropriate size trap rock, granite or pebbles.

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 profiled, dry, and clean and passes the water drop test and that all surface defects have been repaired.

1. Primer Application: Stir liquid well. Prime the surface with Acrylic polymer additive resin. Re-prime if necessary. Porous surfaces should be primed with 1 part acrylic polymer and 1 part Portland Cement (by volume) mix thoroughly and spread the slurry over the wet primer with a broom or steel trowel. The application should be very thin, approximately 200 sf per gallon.

2. Topping/Mortar application: ***The topping must be applied before the primer dries.*** Mix cement and aggregates first. Stir liquids well than pour liquid slowly into the dry ingredients awhile continuously mixing. On hot days it may be necessary to add more liquids to obtain a workable mixture. Avoid a "soupy" mixture and long periods of mixing, 2-3 minutes is sufficient for troweling. **IMORTANT:** Prepare only what can be placed in 20-30 minutes. Do not attempt to re-temper the mortar after it begins to set.

Note: Use For thicker than ½" thick toppings dilute with cool water, combine 2 parts Acrylic polymer additive resin to 1 part water. For best results use clean, dry and bagged aggregate Keep all materials cool prior to mixing.

Limitations: This product is best suited for applications in temperatures between below 55° F and 90° F. Substrate must be clean, sound and dry. Moisture vapor transmission in the slab should be measured prior to application

Please read material safety data before using product.

DISCLAIMER:
All preceding statements and recommendations 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 of 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.

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