



Modac® F-100 (OTC)

Code: 319 Line

Solvent Acrylic Exterior Waterproof Coating

Description

A pigmented, high build, acrylic waterproof sealer that is recommended for use on concrete block, cinder block, cast in place, precast and tilt-up concrete, brick and previously painted surfaces. The product has a history of years of proven durability and resistance to acid rain, chemical attack, salt spray, ultraviolet light, alkali and efflorescence. MODAC® F-100 acrylic coatings far outlast other coating systems and are capable of stopping wind driven rain up to 100 miles per hour. Yet, it permits walls to "breathe", to allow vapor and moisture to escape without blistering or peeling the coating from the surface. MODAC® F-100 has a heavy bodied consistency that bridges hairline cracks, as well as small defects. Since Modac® F-100 is a penetrating sealer it can be applied to any surface without using a primer. It can also be applied at temperatures as low as 20°F.

Surface Preparation

All surfaces shall be dry, clean and free from dirt, dust or loose particles. Remove and correct any efflorescence. Patch all holes and cracks with appropriate urethane sealant or patching material. All caulking compounds, putty and metal surfaces must be primed with a high quality, rust inhibitive, metal primer. Seal tar based, creosote or other bleeding stains before finishing with an appropriate primer. When a previous coat of any type waterproofing is suspect, apply a test patch of MODAC® F-100 to determine compatibility and adhesion before proceeding.

New concrete must be allowed to weather for a minimum of 7 days. If form release agents are used, cure a minimum of 60 days before coating.

Painting Instructions

The most important factor in obtaining proper coverage as well as a lap-free surface is to apply enough material. When waterproofing block, flow-coat MODAC® F-100 onto the wall. Do not roll out as paint. This will cause lap marks, brush marks, and too thin a film of coating. Proper laying off of all work in one direction is most important for a satisfactory finish. Be sure tool is wet when laying off. Lay off lightly so as not to remove or spread out coating film. Usually, work is laid off with a brush horizontally and with a roller vertically. It is important for the applicator to come off the wall after each downward stroke of the roller. This precaution will help avoid lap marks and "W's" after the coating is dry. When spraying raw block, the coating must be back rolled or brushed to achieve a pinhole free surface. Scored, raked, or fluted joints must be thoroughly sealed to avoid moisture penetration.

Technical Data

Theoretical Coverage	752
(sq. ft. per gal. per dry mil)	
<u>For a one coat application (pin-hole free):</u>	
Recommended Spread Rate (sq ft/gal)	60 - 80
Recommended WFT (mils)	26.7 - 20.0
Recommended DFT (mils)	12.5 - 9.4
<u>For a two coat application (pin-hole free):</u>	
Recommended Spread Rate (sq ft/gal)	120 - 160
Recommended WFT per coat (mils)	13.3 - 10.0
Recommended DFT per coat (mils)	6.3 - 4.7
Finish	Flat
Weight per Gallon	11.7 ± 0.2 lb
Solids by Weight	66 ± 2%
Solids by Volume	47 ± 2%
VOC (less exempt solvents)	3.29 lb/gal - 394g/L
OTC Compliant	
Flash Point	109°F
Colors Available	
319159 White	
Packaging	Five Gallon

Values are reported for white and will vary depending on color. These values do not constitute specifications.

Performance Data

Wind Driven Rain	Pass	Salt Spray Resistance (ASTM D714, D610, D117, D4585):
ASTM D6904-03 E514		Blister (2-8 smallest)
Water Vapor Permeance	11.5 grains/(hr ft ² in Hg)	Blister: 6 Medium Dense
3.43 perms		Area (1=50%; 9=0.03%)
Efflorescence Resistance	4	Scribe (1-10 best)
ASTM D7072-04		Scribe: 2
Flexibility (20 mils P234)	Passes ½" Mandrel	Fungal/Algae Growth:
ASTM D522-93A		ASTM D3274-95
Low Temperature Flexibility (20 mils P234)	Passes 1" Mandrel	Freeze-Thaw Resistance
ASTM D522-93A		ASTM D714-02el., D661-93, D660-93, D2243-90
		Abrasion Resistance
		(1-5 Low Resistance)
		Fixed Alignment Adhesion P540
		ASTM D4541-02



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Mixing/Stirring

Power mix material for 2-3 minutes to a uniform consistency.

Thinning

Do not thin.

Tinting

Tint with MaxiToners[®] up to 5 oz/gal

Equipment

Brush: Use a nylon/polyester brush

Roller: Use a 3/4" - 1" nap lambswool cover

Spray: Graco Bull Dog 33:1 air assisted airless; 3/8" I.D. Thiokol lined material hose, tip 635 and 125 cfm compressor. Remove all filters from pump and gun.

Clean Up

Clean spills, spatters, hands and tools immediately after use with Xylene. Follow manufacturer's safety recommendations when using any solvent.

Drying Time

@ 70°F and 50% Relative Humidity

To Touch: 4 hours

To Recoat: 16 - 24 hours

(During cooler weather allow additional drying time.)

Special Information

- Intermix different batches or multiple cans of custom colors. Always test apply a small area to verify color.
- Do not apply if air or surface temperature is below 20°F or if condensation is present.
- Do not apply late in the day or when rain or dew is expected within 12 hours.
- To assure color uniformity, always paint to a natural "break" in the surface.
- Not recommended for below grade masonry.
- Do not apply to horizontal surfaces.
- Not recommended on exterior insulation finish systems (EIFS) surfaces.
- Sealants should not be applied over MODAC F-100 coatings.
- Read label directions, warnings and cautions before using.

Right-To-Know and Safety Information

Container labeling complies with applicable State Right-To-Know Acts. For information regarding the potential hazards associated with this product, please refer to the Material Safety Data Sheet (MSDS).

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Warranty

M.A.B. Paints warrants this product to be free from defects in manufacture and to conform to specification standards. Manufacturer limits its responsibility to replacement of material when product is proven not to meet specification standards. As conditions and methods of use of this product are beyond our control, the prospective user must determine the suitability of the product and necessary safety precautions.