

Product Specification & Information Sheet

PLM-200™ Waterproofing Membrane

PLM-200™ Waterproofing Membrane is a carefully formulated polymer modified waterborne asphaltic emulsion designed to provide exceptional resistance to moisture infiltration when used for below grade masonry surfaces. Its highly elastomeric and flexible film imparts a tough, monolithic waterproofing membrane that will bridge non-structural cracks and resist hydrostatic pressure. By its ability to be spray applied, it eliminates the applicator's concern for seams, wrinkles, or voids in the applied membrane. PLM-200™ may also be used with insulation or drainage board products to add additional protection and resistance to moisture.

Laboratory Data

Flash Point, COC, °F
Density, Weight/Gallon @77°F(25°C)
Recommended Dry Film Thickness
Theoretical Coverage @ Recommended Dry Film
Volatile % by Weight, Minimum
Volatile Organic Content (VOC)
Approximate Dry Time to Touch @77°F(25°C)
Cure Time, 77°F, 50% RH

Cured Film Properties

Resistance to Water (ASTM-D2939)
Tensile Strength (ASTM D412)
Elongation (ASTM D412)
Adhesion to Damp Surfaces (ASTM 3409)

Adhesion in Peel (ASTM C 794)
 Poured Concrete
 Masonry
Low Temperature Flexibility and Crack Bridging
(ASTM C836, Sec. 6.7)
Water Vapor Permeance (ASTM E96 Water Method)

Typical Properties

<u>English</u>	<u>Metric</u>
No Flash*	No Flash*
8.45 +/-0.2 lbs./gal	1012 grams/L
40 mils	1016 microns
25 sq.ft./gal.	0.58 sq.meters/L Non-
65.0 +/-5.0%	
<0.25 lbs./gal	<60 grams/L
60-90 minutes	
24 hours	

Result

No Blistering or Re-emulsification
>10.2 psi Typical
>723%
Readily displaces or mixes with water. Can be applied to damp surfaces.

2.094 lbf/in
2.096 lbf/in

Pass
0.09 perms

Surface Preparation

The maximum performance of PLM-200™ can only be achieved when concrete surfaces are smooth, clean and no visible surface wetness. Remove loose aggregate and sharp protrusions from the wall. Footings should be swept clean of all dust, debris, and loose aggregate. **Voids, spalled areas, wall ties, and exposed aggregate in foundation walls should be pre-treated or filled with a compatible mastic.** Recommended surface temperatures should be a minimum of 20°F and rising.

Application

PLM-200™ is formulated to be used as supplied. To ensure uniform consistency prior to use, continued stirring or tank circulation is generally not necessary. DO NOT THIN PLM-200™. Incorrect thinning will affect film build, dry times, and product performance. Ambient temperatures should be at 20°F and rising at the time of application. Product should be gently heated to 90 to 140°F prior to application for best results. PLM-200™ is best applied at fluid pressures of 1000 to 2000 psig. Equipment type and configuration will require user to determine best pressure and tip size to achieve a uniform spray pattern for adequate application and coverage. DO NOT ALLOW PLM-200™ to FREEZE. A minimum of 40 mils dry cured film is necessary to provide maximum results. Typically a two-coat process is most effective, utilizing a horizontal spray application followed by a vertical spray pass. Each spray pass should be approximately 30 mils wet, 20 mils dry. PLM-200™ may be applied to foundation walls as soon as forms are removed. Surfaces should be free of form oils and other contaminants as well as free of any visible surface moisture or ice (in colder temperatures).

Removal

PLM-200™ cured films are not normally intended for removal. The product can be removed from spray equipment and other surfaces using THAT Asphalt Cleaner™. If removability is a factor, contact HouseGuard.

Storage

Store PLM-200™ at temperatures above 50°F and below 120°F. Prolonged storage may require mild agitation prior to use.

Caution

Adequate temperatures and ventilation are required for proper curing. Cured films should not be exposed to direct sunlight in excess of 15 days. Refer to Material Safety Data Sheet for additional handling and first aid information. The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility and adversely affect the performance of the waterproofing membrane as stated in the lab data section.

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