



Polymer Modified Asphalt (PMA)

The Pli-Dek® PMA fluid-applied system is a water based, single component, polymer modified asphalt emulsion designed to provide a cost effective, elastomeric waterproofing solution for various below and above grade waterproof applications. Typical applications for the PMA System include vertical foundation walls, horizontal elevated concrete, plazas, podiums, and elevated plywood split slab assemblies. This System is easy to install and can be spray or roller applied to desired thickness. The PMA System is a solvent free, VOC compliant system that cures to a rubber-like membrane that forms a smooth, tough, seamless, monolithic, durable coating created to resist water penetration.

System Benefits:

- Installed by Certified Applicators
- Cost Effective
- Can be Spray Applied
- Solvent Free
- VOC Compliant
- Can be Applied as a Component to the HD-250 System

Ideal For:

- Horizontal Elevated Concrete
- Split Slab Assemblies
- Plazas
- Podiums
- Elevated Plywood
- Below Grade Foundation
- Planter





POLYMER MODIFIED ASPHALT



Description:

Polymer Modified Asphalt (PMA) is a fluid-applied, single component, heavy bodied, polymer modified asphalt emulsion, protective coating, designed for impervious waterproofing applications. PMA membrane is ideal for various below grade and elevated waterproof applications. PMA cures to a rubber-like membrane that forms a smooth, tough, seamless, monolithic, durable coating that resists water penetration.

Primary Use:

PMA is recommended for below grade waterproofing, and horizontal elevated concrete, plaza/podiums, and elevated plywood split slab assemblies. PMA can be applied over a wide variety of wall systems, poured concrete foundations and parged concrete masonry unit (CMU). Contact Pli-Dek Systems, Inc. for job specific instructions.

Advantages:

- Solvent Free
- Apply up to 60 mils in a Single Application
- VOC Compliant
- Seamless
- Rubberized Membrane
- Low Odor
- Can be Applied to Green or Damp Concrete
- Can be Spray Applied to Desired Thickness and Configurations for a Seamless Installation
- Economical, Fast Set-Up, Easily Applied
- Conforms to ASTM C 836
- 500% Elongation without Elasticity Damage

Horizontal Application:

Horizontal waterproofing installation is applied from 60 mil – 120 mils squeegee or spray applied.

Vertical application:

Vertical waterproofing installation applied at a maximum of 60 mils per application or spray applied up to 120 mils using a co-spray system.

Additional Systems:

HD-250 (Heavy Duty): The PMA System can be installed as a component of the HD-250 System which combines two proven systems over wood substrates. (See HD-250 system data sheet for more info.)

Clean Up:

Use waterless hand cleaner for skin. Use mineral spirits or methyl soyate for equipment or construction surfaces.

Coverage Rate:

Product Thickness (WMT)	Sq. Ft. Per Gallon
60 mils	25 Sq. Ft.
120 mils	12 Sq. Ft.

**The above are estimates. Weight and coverage rates will vary based on porosity of substrate.*

Technical Data:

Total Solids (ASTM C 836)	62% (+/- 2%)
Solvent Content Wet (ASTM C 836)	0%
Maximum V.O.C (ASTM C 836)	0g/l
Flammability - Wet (ASTM C 836)	Non-Flammable
Flash Point (Open Cup) (ASTM C 836)	
Low Temperature Flexibility	No Cracking
Adhesion@-13°F	No Loss of Adhesion
Crack	No Delamination
Crack Bridging	No Cracking
Elongation (ASTM D 412)	No Splitting
Hydrostatic Pressure Resistance (ASTM C 1306-95)	500%
Water Vapor Retarders at Walls (ASTM E 96-B)	No Water penetration/infiltration
Water Transmission Materials (ASTM E 96-B)	Good
Emulsified Bitumens (Protective Coating) (ASTM D2939-03)	28 PERMS
	No Blistering or Re-emulsification

Cure Time:

PMA product curing time is approximately 4 hours from initial set and 24 hours to set through. The cure times are based at 72°F/50%R.H.

Appearance:

PMA dry film will appear a glossy black color, smooth, and free of checks and cracks.

Shelf life:

PMA shelf life is 6 months in unopened containers when stored in dry conditions.

Limitations:

Not intended for use as a permanently exposed surface, although it will tolerate foot and incidental, light, rubber-wheeled traffic when set. All installations should incorporate drainage mat. Contact Pli-Dek Systems, Inc. for details. All substrates should be sloped 1/4" per foot to drain.

Warranty Information:

Contact Pli-Dek Systems, Inc. for warranty information.