Description:

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

Primary Uses:

Polymer Modified Asphalt (PMA) is recommended for below grade waterproofing, and horizontal elevated concrete, plaza/podiums, and elevated plywood split slab assemblies. Polymer Modified Asphalt (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
- 1500% elongation without elasticity damage.

Additional Systems Available:

HD-250 (Heavy Duty) - waterproofing installation is a multi-layer assembly designed for plywood decks that require a masonry or concrete topping. HD 250 provides two layers of waterproofing protection: 1) a durable metal lath reinforced, polymer cement base coat (6000 psi) 2) installation of the (PMA) (60-120mils) fluid applied membrane. The waterproofing systems minimum thickness will be 250 mils and can incorporate a full polyester reinforcement.

HD-215 (Heavy Duty) - waterproofing installation is a multi-layer assembly designed for concrete decks that require a masonry or concrete topping. HD 215 provides two layers of waterproofing protection: 1) a durable polymer cement base coat (6000 psi) 2) installation of the (PMA) (60-120mils) fluid applied membrane. The waterproofing systems minimum thickness will be 215 mils and can incorporate a full polyester reinforcement.

Coverage Rate:

Product Thickness	Sq. Ft. per Gallon
60mils	25 Sq. Ft.
120 mils	12 Sq. Ft.

*The above are estimates. Coverage rates will vary based on job conditions and application methods.

Technical Data:

Total Solids (ASTM C 836)	62% (+/- 2%)
Solvent Content Wet (ASTM C 836)	0%
Maximum V.O.C (ASTM C 36)	0 g/l
Flash Point (Open Cup): (ASTM C 836) Low Temperature Flexibility Adhesion Crack Crack Bridging	 No Cracking No loss of Adhesion No Delaminating No Cracking No Splitting
Flammability – Wet (ASTM C 836)	Non-Flammable
Elongation (ASTM D 412)	1500%
Hydrostatic Pressure Resistance Penetration/Infiltration (ASTM C 1306-95)	No Water
Water Transmission Materials (ASTM E 96-E)	28 Perms
Water Vapor Retarders at Walls (ASTM E96-B)	Good
Emulsified Bitumens (Protective Coating) (ASTM D2939-03)	No Blistering or Reemulisification

Packaging:

PMA is available in 5 gallon pails, 55 gallon drums, or totes.

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:

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

Technical Assistance:

Pli-Dek Systems, Inc. or its local authorized representatives are available for technical assistance and/or inspections for the Pli-Dek line of products.