

**POLYMER MODIFIED ASPHALT (PMA)**  
**FLUID APPLIED WATERPROOFING**



**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 Use:**

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
- 500% 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.

**Coverage Rate:**

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

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

**Technical Data:**

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

**Cure Time:**

Polymer Modified Asphalt (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:**

Polymer Modified Asphalt (PMA) dry film will appear a glossy black color, smooth, and free of checks and cracks.

**Shelf life:**

Polymer Modified Asphalt (PMA) shelf life is 6 months in unopened containers when stored in dry conditions.

**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 Information:**

Contact Pli-Dek Systems, Inc. for specific details.

