

**Description:**

The Pli-Dek® HD-215 System is a hybrid waterproofing underlayment system when going over **concrete** plaza/podium decks, balconies, pool decks, and roof decks that are designed to receive pavers or ceramic tiles. This system provides superior performance with its unique dual waterproofing layers. Like the HD-250 System, the HD-215 System is a superior solution for waterproofing underlayments by eliminating inherent detailing issues associated with traditional fluid applied coatings, as well as both durable and flexible waterproofing protection. This system achieves a complete thickness of 215 mils or greater.

**Primary Uses:**

HD-250 Hybrid Waterproofing Underlayment system is a high performance waterproofing assembly intended for concrete plaza/podium decks, balconies, pool decks, and roof decks that are designed to receive a concrete topping or pavers. This system provides a dual layer waterproofing assembly for under a concrete topping or mud set pavers or tile.

**Job Conditions:**

The ambient air and surface temperature must be a minimum of 4.44°C (40°F) and a maximum of 43°C (110°F) and shall remain so for at least 24 hours. Do not install over wet substrates or in rainy conditions.

The Pli-Dek installer shall inspect the substrate for any deficiencies and notify the architect or general contractor in writing of the corrections that need to be made before application of the Pli-Dek products.

**Packaging:**

The GU80-1 Custom Top Coat is available in 46 lb. bags. The GU80-1 Liquid Admixture is supplied in 5 gallon pails. Polymer Modified Asphalt (PMA) product is packaged in 5 gallon pails or 55 gallon drums. The Pli-Dek Cold Rubber (CR) product is packaged in 5 gallon pails or 55 gallon drums. The Pli-Dek Hot Rubber (HR) product is packaged in 43 lb. boxes. The flashing, metal lath, and staples are sold separately in various quantities.

1 <sup>st</sup> Layer (Construction Coat)	
Bond Strength (ASTM C-297)	126 psi
Freeze Thaw (ASTM C67-03)	Pass
1-Hour (ASTM E119)	Pass
Spread of Flame (ASTM E108)	Class "A"
Tensile Strength (ASTM D-2707)	1505 psi – after weathering
Impact Test (ASTM D-2707)	No Cracking
Water Transmission (ASTM E96)	.31 g/24 hrs.
Compressive Strength (ASTM C-150-72)	6075 psi
2 <sup>nd</sup> Layer (Final Membrane)	
Total Solids	
PMA (ASTM C 836)	62%
CR (ASTM D-236)	95 ± 1%
HR (ASTM C 836)	100%
Solvents (All Products)	0
Elongation	
PMA	1500%
CR	300 ± 50%
HR	1000%

**Limitations:**

HD-215 is not designed for foot traffic and is not UV resistant.

**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.

**Technical Data:**