



HD-250 SYSTEM

PLI-DEK

Description:

Pli-Dek HD-250 Hybrid Waterproofing Underlayment system is designed for applications over plywood and provides superior performance with its unique dual waterproofing layers. The first layer is an innovative construction coat consisting of metal lath reinforced polymer modified cement. This high performance, 6,000 psi construction coat offers early waterproofing protection during the course of construction.

The second layer incorporates Pli-Dek's Fluid Applied waterproofing membranes (PMA, CR, or HR), which installs over the construction coat and can be applied at 60 - 215 mils in a single pass. This system achieves a complete thickness of 250 mils or greater.

Primary Use:

Pli-Dek HD-250 Hybrid Waterproofing Underlayment system is a high performance waterproofing assembly intended for plywood corridors, balconies, 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.

Standards:

The Pli-Dek System meets the requirements of the ASTM E119-88 for a 1-Hour Fire Rating and the ASTM E108-82 for a Class "A" Fire Retardant Roof.

Packaging:

The GU80-1 Gray Base 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 gal or 55 gal totes. 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.

Technical Data:

Bond Strength - Plywood (ASTM C-297).....	126 psi
Tensile Strength (ASTM D-2707).....	1505 psi - after weathering
Impact Test (ASTM D-3320).....	No Cracking
Water Transmission (ASTM E 96).....	.31g/24hrs.
Compressive Strength (ASTM C-150-72).....	.6075 psi
Total Solids (ASTM C 836).....	98% (+/-)
Solvent Content Wet (ASTM C 836).....	.0%
Maximum V.O.C (ASTM C 836).....	<40g/l
Flammability - Wet (ASTM C 836).....	Non-Flammable
Flash Point (Open Cup) (ASTM C 836)	
Low Temperature.....	No Cracking
Flexibility.....	No Loss of Adhesion
Adhesion@-13°F.....	No Delaminating
Crack.....	No Cracking
Crack Bridging.....	No Splitting
Adhesion Peel/Water Immersion (ASTM C 836).....	Pass
Elongation (ASTM D 412).....	.575%
Recovery (ASTM D 412).....	.95%
Hydrostatic Pressure Resistance (ASTM C 1306-95).....	No Water Penetration/Infiltration
Water Transmission Materials (ASTM E 96-B).....	1.3 PERMS
Shore Hardness	Min 60

Limitations:

HD-250 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.