PLI DEK®

WATERPROOFING SOLUTIONS

HD-250 SYSTEM

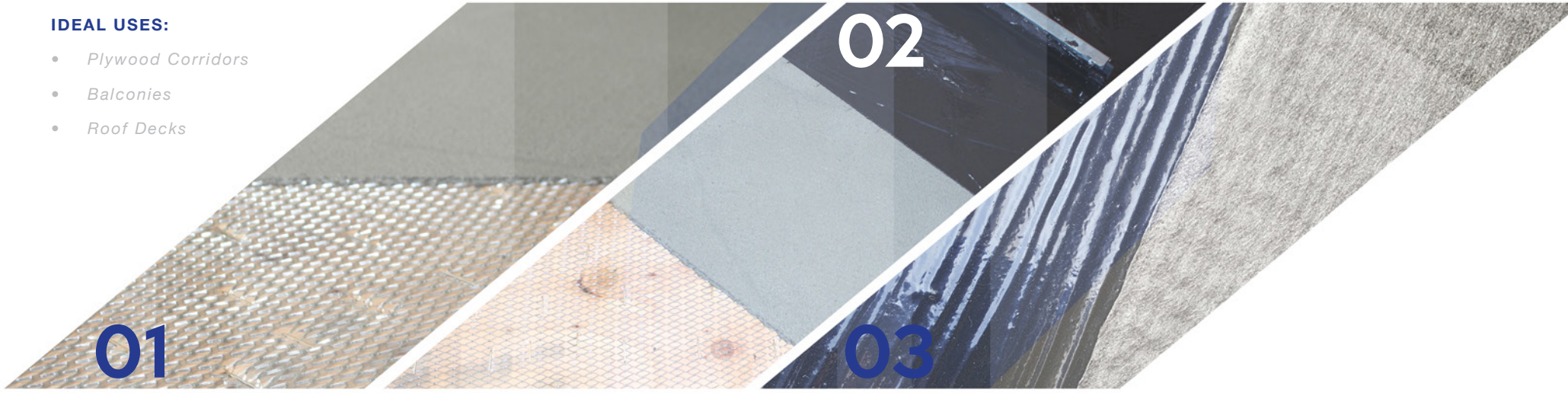
Heavy Duty Hybrid Waterproofing

HD-250 SYSTEM

Pli-Dek® innovates a variety of waterproofing solutions that are not only guaranteed to be effective, but come with the company support to ensure you feel comfortable and confident using our products. The Pli-Dek® HD-250 System is a hybrid waterproofing underlayment system for plywood corridors, balconies, and roof decks that are designed to receive a concrete topping or pavers. This System provides superior performance with its unique dual waterproofing layers. The HD-250 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.

IDEAL USES:

- *Plywood Corridors*
- *Balconies*
- *Roof Decks*



STEP 01

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.

STEP 02

The second layer incorporates one of Pli-Dek's Fluid Applied elastomeric waterproofing membranes, which is installed over the construction coat and can be applied at 60 to 215 mils.

STEP 03

Protection/Drain Board can also be applied as specified. The completed System achieves a thickness of 250 mils of greater.

TECHNICAL DATA

FIRST LAYER (CONSTRUCTION COAT)

Bond Strength - Plywood
(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-3320)……..No Cracking

Water Transmission
(ASTM E 96)……..31g/24hrs.

Compressive Strength
(ASTM C-150-72)……..6075 PSI

SECOND LAYER (FINAL MEMBRANE)

Total Solids (ASTM C 836)
PMA……..62%
HR……..100%

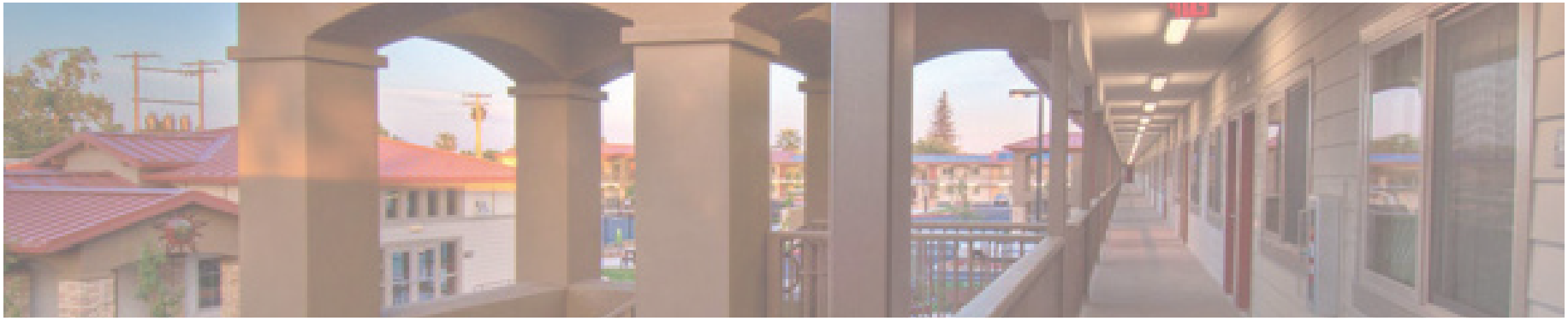
Solvents (all products)……..0%

Elongation
PMA……..500%
HR……..+/-1000%

Hydrostatic Pressure (ASTM C 1306-95)
PMA……..No Water
HR……..100 psi

BENEFITS

- Installed by Certified Applicators
- Innovative 6,000 psi Construction Coat
- Early Protection During Course of Construction
- Incorporates a Flexible Waterproofing Membrane
- Complete Thickness of 250 mils or Greater
- Eliminates Inherent Detailing Issues
- Can be Applied in Conjunction with the PMAor HR systems



Primary Use:

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, mud set pavers, or tile.

Job Conditions:

The ambient air and surface temperature must be a minimum of 40°F (4.44°C) and a maximum of 110°F (43°C) and shall remain so for at least 24 hours. Do not install over wet substrates or in rainy conditions. The Pli-Dek certified 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 for a 1-hour Fire Rating and the ASTM E108 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 packaged in 5 gallon pails. PMA product is packaged in 5 gallon pails or 55 gallon drums. Pli-Dek HR product is packaged in 43 lb. boxes. The flashing, metal lath, and staples are sold separately in various quantities.

Limitations:

HD-250 is not designed for foot traffic and is not UV resistant.

Technical Assistance:

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

Warranty Information:

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

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