



TECHNICAL BULLETIN

PLI-DEK
WATERPROOFING SOLUTIONS

Rev Date: 07/13/2016

No: TB-110

Purpose: Mandatory Requirements and Criteria for Inclement Weather (IW) Application

MANDATORY CRITERIA

1. System Type: All Traffic Coatings – Pli-Dek ‘F’, Pli-Dek ‘U’, Con-Dek and Con-Dek ‘U’ Systems.
2. Purpose: Conditions that meet the weather criteria below are required to follow the **MANDATORY REQUIREMENTS** for Pli-Dek’s above grade Waterproof Deck Coating for Inclement Weather (IW).
3. Weather Criteria:
 - a. **MANDATORY REQUIREMENTS** are required for any and all areas that are vulnerable to snow.
 - b. If any of the following two (2) weather criteria are met, then the **MANDATORY REQUIREMENTS** are required to be followed in addition to the above mentioned (*see <http://www.noaa.gov/>).
 - *Coastal Salt exposure up to 30 miles inland.
 - *Humidity that is $\geq 60\%$.
 - *Annual rainfall that is $\geq 35''$.

MANDATORY REQUIREMENTS

1. Pli-Dek ‘F’ System:
 - a. All plywood decks require the intermediate coat of Fiberglass & PD Resin.
2. Metal Lath:
 - a. All Metal Lath shall be 2.5lbs sq yard hot dipped G90 Galvanized.
3. Flashing:
 - a. In Inclement Weather (IW) areas, all edge metal shall be 26 ga. galvanized, 302 Stainless Steel or Copper (contact Pli-Dek for Alternatives).
 - b. All metal flashing surfaces are required to be wiped clean with a solvent prior to product installation. [MEK, Acetone, Xylene, Isopropyl Alcohol or Vinegar].
 - c. Flashing Overlaps: All flashing overlaps shall be a minimum of 4”, installed not to “buck” water, and be caulked horizontally and vertically at the furthest edge with a 3/4” bead of sealant between any pieces of flashing that adjoin. (Surface caulking is NOT acceptable) When installed properly, the flashing overlap should visibly have continuous caulking exposed. Next, apply continuous sealant 1” in both directions from the seam (vertical and horizontal) and embed 1 7/8” paperless drywall joint tape with a putty knife to the entire seam and ensure the paperless drywall joint tape is completely embedded in sealant. The sealant is required to be a Polyurethane Sealant per ASTM C 920, or approved equal.
 - d. All vertical flashing shall be coated with Fiberglass and PD Resin or PD Flash Coat and Flash Coat Seam Tape or a self-adhering drywall mesh tape, GU80 Top Coat, and GS88 pigmented sealer at the time of applying each product. It is optional to coat all perimeter flashings with PD Flash Coat and Flash Coat Seam Tape or a self-adhering drywall mesh tape in addition to the mandatory GS88 Pigmented Sealer.
 - e. All door pans, threshold flashing, and deck to wall flashings shall be coated with Fiberglass and PD Resin or PD Flash Coat and Flash Coat Seam Tape or a self-adhering drywall mesh tape.
4. Concrete:
 - a. Concrete Moisture & Vapor Transmission Testing to be conducted, refer to Technical Bulletin (TB-111) Concrete Moisture & Vapor Transmission Testing for mandatory requirements.
 - b. Primer coat needs to remain GU80 Liquid Admix/Water and add Vapor Prime if certain criteria are met, going over “green concrete”, moisture in concrete exceeds 5%, concrete is supported by a pan system, and “rehab” work where existing concrete had moisture intrusion issues.
5. Soffit Venting (Recommended):
 - a. All enclosed soffits shall be vented as to allow for proper ventilation; as per the code. Reference: 2010 Florida Building Code Section 1203, 2006 International Building Code section 1203 and the Stucco Resource Guide.