

# TECHNICAL LETTER—ROOFING UNDERLAYMENTS ON SLOPES LOWER THAN 2:12 PITCH

When Protecto Wrap® Self-Adhered Roofing Underlayments are used as waterproofing on roofs less than 2:12, the following guidelines are recommended to reduce the possibility of a leak:

- 1.) **Protecto Wrap Ice & Water Guard™**
  - a. **Protecto Wrap Ice & Water Guard** should be used as the first course on the roof deck. This product is a unique, internally reinforced waterproofing roof underlayment, with adhesive on both sides. Starting from the low point of the roof, install an 18” course along the roof’s edge. Overlay the second 36” wide course a min. of 2” in a shingle fashion up the roof. End laps should overlap a min. of 6”. Leave the polyethylene release facer, found on top of the **Ice & Water Guard**, in place (except at edge and end laps) until ready to apply the second layer of waterproofing.
  - b. When applying the top layer, remove the polyethylene release liner on top of the **Ice & Water Guard** and apply the **Rainproof** underlayment following our standard installation procedures, while always allowing alternating seams to the first layer of **Ice & Water Guard**. Seam laps of the second layer should be a min. of 2” and end laps a min. of 6”. Care should be taken to insure that the top layer of material is lined-up straight with the edge of the roof, once the adhesive of the two membranes touch repositioning will be difficult.
- 2.) **Protecto Wrap Ice & Water Guard™ - High Temp Underlayments**
  - a. For High Temperature roofing applications up to 250°F, our **Jiffy Seal® Ice and Water Guard HT or Jiffy Seal® Ice and Water Guard HT25** must be used in a two layer system.
  - b. For High Temperature roofing applications up to 300°F (Copper, Zinc, Cor-Ten steel), our **Jiffy Seal® Butyl Ice and Water Guard HT or Jiffy Seal Ice and Water Guard Extreme™** must be used in a two layer system. The second course must be installed in a manner to provide an 18” offset from the first course, on overlaps and end laps. Seam laps of the second layer should be a min. of 2” and end laps a min. of 6”.

## General Notes:

- a. Apply a 3/8” troweled bead of **JS 160H Mastic™** or **Protecto Sealant 25XL** to all seams, terminations, T-joints and details per industry standard for low slope waterproofing procedures.
- b. Follow standard plaza deck waterproofing details for any penetrations and wall transitions.

## PROTECTO WRAP COMPANY

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