

# TITANIUM® PSU-30

## Peel & Stick Synthetic Roofing Underlayment with Ice Damming Protection

### PSU30 Installation Instructions

#### STORAGE

1. Titanium PSU30 must remain in the original packaging adequately protected and stored in a dry properly ventilated area. Keep away from open flames, sparks and sheltered from elements and harmful substance.
2. The rolls must be carefully stored upright.
3. Only rolls destined for the same-day use should be removed from this storage area.
4. Avoid prolonged storage above 90°F (32°C).
5. In cold weather, the material must be heated to a minimum temperature of 40° F (4°C) prior to application. If rolls cannot be stored in a heated environment, they may be pre-conditioned before installation.
6. Be careful not to load too much material on the roof in one area. Disburse the weight over structural supports where possible.

#### SURFACE PREPARATION

1. Titanium PSU30 must be installed on clean, dry, protrusion and moisture free, continuous structural deck
2. Deck shall have no voids, damaged or unsupported area.
3. Remove dust, dirt, loose nails and old roofing material. Use of calcium or salt for ice and snow removal is not recommended
4. To improve adhesion performance it may be required to prime the roof surface with a solvent or water based primer for self adhesive membranes

#### INSTALLATION

Titanium PSU30 must be installed above properly ventilated areas, as it's considered a vapor barrier. Apply Titanium PSU30 on a dry and moisture free deck, only in dry weather, when the air, membrane and the substrate are at temperature over 40°F (4.4°C). For applications below 40°F a primer should be used. Do not install on the end grain of wood planks. Do not install directly over old roof covering. Repair holes, fish mouths, tears, and any other penetration damage to the membrane with a round patch of membrane extending passed the damaged area 6" in all directions.

If fasteners are removed leaving holes in the membrane or other penetrations are accidentally produced, they must be patched, or warranty is void. Do not install fasteners through membrane over any unsupported areas of the structural deck, such as over joints between adjacent structural panels.

Protect completed roof areas to avoid damage during roof installation and material transportation by installing protective boardwalks to enable passage of people, equipment and products. It is recommended to use a double layer of Titanium PSU30 and repair any damage in critical areas, such as the

valleys or along the eaves in climates where severe ice damming is expected. For high elevation, high wind or wind driven rain protection it is recommended to cover the entire roof deck with Titanium PSU30.

Titanium PSU30 is to be laid out horizontally (parallel) to the eave with the printed side up, using 3" horizontal laps and 6" vertical laps. Prior to application of the second course remove the white release liner tape to expose the lap seal asphalt. Care should be taken not to walk on or contaminate the lap seal once exposed. Titanium PSU30 may also be installed vertically. It is recommended to blind nail the membrane on steep slopes (6/12 or greater). PSU30 should be blind nailed with 3/8" roofing nail of 1" or longer in the 3" over lap area as marked with a + symbol.

Always work from the low point to the high point of the roof. Apply the membrane in valleys before the membrane is applied to the eaves. Cut the membrane into 10-15 foot lengths and re-roll loosely. Peel back 1-2 feet of release liner, align the membrane, and continue to peel the release liner from the membrane. Hand press first followed by a heavy 75-100 lb pressure roller to smooth and secure the membrane, especially at the overlap layers. If a roller is not available or safe, walk on all laps and as much of the field area as possible to push the adhesive into the pours of the roof deck. For valleys and ridge applications, peel the release liner; center the sheet over the valley or ridge, drape, and hand press in place followed by a pressure roller or walking on it. When left exposed prior to application of primary roof covering, secure membrane in place carefully sealing the laps, to protect against uplift from wind exposure.

Do not fold Titanium PSU30 over the roof edge unless the edge is subsequently covered over by a drip edge or other flashing material. Do not install on the end grain of wood planks. Do not install directly over old roof covering. Repair holes, fish mouths, tears, and any other penetration damage to the membrane with a round patch of membrane extending passed the damaged area 6" in all directions. Depending on roof pitch and surface conditions, blocking maybe required to support roofing materials placed on the roof. For extended exposure applications, the surface layer may be slightly discolored; this is normal, and will not effect the product performance.

Titanium PSU30 is not designed for indefinite outdoor exposure. Final roofing should be installed within 6 months.

#### CAUTION - READ GOOD SAFETY PRACTICES BELOW

As with any roofing product, always follow safe roofing codes & practices (OSHA) and always use and wear fall protection devices when working on roofs. Release liners are slippery, remove from work area immediately after application. Use caution when walking or standing on Titanium PSU30 as slip resistance may vary with surface conditions, weather, footwear and roof pitch. Failure to use proper safety gear and footwear can result in serious injury. Beyond the Titanium PSU30 application instructions you should check with your local, county, state or national code as applicable.



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