

TITANIUM™ Roofing Products Information

TITANIUM™ PSU-30 PEEL & STICK Synthetic Roofing Underlayment



Installation Instructions

Installation Instructions (USE NO STAPLES)

STORAGE

1. TITANIUM™ PSU-30 must remain in the original packaging, adequately protected and stored in a dry and properly ventilated area, away from welding flame and sparks and sheltered from elements and harmful substance.
2. The rolls will be carefully stored upright.
3. Only rolls destined for the same-day use can be removed from this storage area
4. Avoid prolonged storage above 90°F (32°C)
5. In cold weather, the material should be stored in heated area at a minimum temperature of 40° F (4°C) and removed prior to application. If rolls cannot be stored in a heated environment, they may be pre-conditioned before installation.
6. Avoid material overloads which may affect the structural integrity of specific roof areas.

SURFACE PREPARATION

1. TITANIUM™ PSU-30 must be installed on clean, dry, protrusion and moisture free, continuous structural deck
2. Remove dust, dirt, loose nails and old roofing material. Use of calcium or salt for ice and snow removal is forbidden
3. Deck shall have no voids, damaged or unsupported area.
4. Priming may be required for some wooden decks, concrete, masonry or metal surfaces. The work site must be routinely cleared of rubbish and other materials which may hinder roof installation, performance or present a fire hazard.

INSTALLATION

- * TITANIUM™ PSU-30 must be installed above properly ventilated areas, as it's considered a Vapor Retarder.
- * Apply TITANIUM™ PSU-30 only in fair weather, when the air, membrane and the substrate are at temperature over 40°F (4.4°C). For applications below 40°F check with your local representative.
- * Protect finished work to avoid damage during roof installation and material transportation. Install protective boardwalks over installed roofing materials to enable passage of people and products. Assume full responsibility for any damage.
- * In critical areas, such as the valleys or along the eaves, in climates where severe ice dam is expected, consider using double layer of the TITANIUM PSU-30
- * Cover the entire roof deck with the underlayment for wind driven rain protection
- * TITANIUM™ PSU-30 is laid out horizontally (parallel) to the eave with the printed side up, and with 3" (76 mm) horizontal laps and 6" (152 mm) vertical laps. TITANIUM™ PSU-30 may also be installed vertically. In case of vertical application, it is recommended to use primers that meet ASTM-D-41 requirements. If the nailing of the membrane is necessary on steep slopes, especially on hot weather, back nails and overlap with the next sheet.
- * Following good roofing practice, install membrane so that all laps shed water. Always work from the low point to the high point of the roof and roll from the center outward in both directions. Apply the membrane in valleys before the membrane is applied to the eaves. Cut the membrane into 10 -15 foot (3 – 5 M) lengths and re-roll loosely. Peel back 1-2 feet (300 – 600 mm) of release liner, align the membrane, and continue to peel the release liner from the membrane. Hand press first followed by a heavy pressure roller to smooth and secure the membrane, especially at the overlaps layers. 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.
- * When left exposed prior to application of finish covering, secure membrane in place, carefully sealing the laps, to protect from wind exposure and uplift.
- * Do not fold TITANIUM™ PSU-30 over the roof edge unless the edge is subsequently covered over by a drip edge or other flashing material. For vertical / side wall applications apply TITANIUM™ PSU-30 above the highest expected snow / ice accumulation line, and always install flashing over the underlayment.
- * Do not install on the chamfered edges 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 inches (150 mm) 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; the membrane may not self-seal tears and open fastener penetrations. Do not install fasteners through membrane over any unsupported areas of the structural deck, such as over joints between adjacent structural panels. 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. Check with your local TITANIUM™ PSU-30 representative for chemical compatibility with solvents / plasticized based materials.

TITANIUM™ PSU-30 is not designed for indefinite outdoor exposure. Final roofing should be installed within 3 months.

We support the NRCA guidelines (minus - staples) • www.nrca.net

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. Examples: toe boards, rope and harness, rubber or synthetic soft sole footwear. Use caution when walking or standing on TITANIUM™ PSU-30 as wet and/or dusty conditions may reduce traction. Failure to use proper safety gear and footwear can result in serious injury.



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TITANIUM™
SYNTHETIC ROOFING UNDERLAYMENT

Roofers rely on it.