

## Storage & Installation Instructions

Titanium PSU30 is an air, vapor, and secondary water barrier and therefore must be installed above a properly ventilated space(s). Follow ALL building codes applicable to your geographical region and structure type as it is considered a vapor barrier.

### STORAGE:

1. PSU30 should be stored at room temperature, upright in the original cardboard packaging in a dry properly ventilated area. Keep clear from open flames, sparks, harmful substances and shelter from the elements.
2. Only rolls destined for same-day use should be removed from its storage area.
3. For best results store in temperatures between 40°F (4.4°C) and 90°F (32°C) If room temperature storage is not available, it is recommended to heat material to a minimum temperature of 40°F (4.4°C) prior to application.

### USE:

PSU30 must be covered by primary roofing within 180 days of application. PSU30 is designed for use under; Asphalt Shingles, Synthetic Shingles, Metal Roofing, Tiles, Slate, and Cedar Shakes.

### DECK PREPARATION:

1. Protrusions from the deck area must be removed and decks shall have no voids, damaged or unsupported areas. Deck surface should be free of debris, dry and moisture free.
2. PSU30 may be applied directly to a plywood, OSB, concrete or masonry roof surface and should be fully covered as soon as possible or within 180 days. Priming is not required for attaching to wood surfaces when the temperature is above 40°F. Concrete and masonry decks should be primed with a solvent or a water based primer that meets ASTM D41 for asphalt based self-adhesive membranes.
3. For re-roofing projects replace any water damaged sheathing and sweep roof deck thoroughly removing any debris such as dust, dirt and loose nails. Do not install over old roof covering.
4. Use of calcium or salt for ice and snow removal is not recommended.

### APPLICATION:

1. For best results PSU30 should be installed on a dry deck when the air, membrane, and substrate temperature is over 40°F (4.4°C).
2. For cold weather applications below 40°F (4.4°C) a primer should be used and the laps blind nailed. Blind nail with 3/8" head roofing nails of 1" or longer in the 3" over lap area marked with a "+" symbol.
3. For steep slope applications (6:12 or greater) or when installing at temperatures greater than 100°F (38°C) it is recommended to blind nail the overlap area as instructed above for cold weather applications.
4. PSU30 is to be laid out horizontally (parallel) to the eave with the printed side up, using 3" horizontal laps and 6" vertical laps.
5. For vertical installation PSU30 should be anchored with 3/8" head roofing nails along the upper most edge 3 inches down with 6 equally spaced nails across the 36" width. Ensure roofing nails are perpendicular to the roof deck so that the head lays flat and seals well to the top surface of the PSU30. Vertical overlaps to be 6" and 3" for horizontal laps if required.
6. 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.

DISTRIBUTED BY:

7. Cut the membrane into manageable lengths. Peel back 1-2 feet of release liner, align the membrane, and continue to peel the release liner from the membrane. Hand press or walk on, then follow with a 40 lb or heavier pressure roller to smooth and secure the membrane, especially at the overlap layers. If a roller is not available or considered 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 and overlap.
8. For eave installation PSU30 should be applied over the metal drip edge at the eave. Do not fold PSU30 over the roof edge unless the edge is subsequently covered over by a drip edge or other flashing material. It is recommended that PSU30 extend from the eave up the roof to a point 24" (minimum) beyond the exterior wall. This should be above the maximum ice dam buildup line in most areas. Consult your local building code for specific requirements.
9. For valleys and ridge applications, center the sheet over the valley or ridge, drape, and hand press in place before removing the backside release liner. Note: It is very important PSU30 stay in contact with the roof deck into and out of the valley area. PSU30 should never be suspended or bridge a valley. It is recommended to follow up with a pressure roller or by walking on the surface. Give special attention to ALL perimeter edge areas.
10. Repair holes, fish mouths, tears, and any other penetration damage to the membrane with a round patch of membrane extending passed the damaged area by 6" in all directions. If fasteners are removed leaving holes in the membrane or other penetrations are accidentally produced, they must also be patched.
11. Do not install fasteners through membrane over any unsupported areas of the structural deck, such as over joints between adjacent structural panels.
12. For high elevation, high wind or wind driven rain it is recommended to cover the entire roof deck with PSU30.

### PRECAUTIONS:

1. PSU30 is not designed for indefinite outdoor exposure. Final roofing should be installed within 180 days of installation.
2. Depending on roof pitch and surface conditions, blocking maybe required to support roofing materials placed on the roof. Remember to seal the fastener holes that secured the blocking after they have been removed.
3. 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
4. Be careful not to load too much material on the roof deck in one area. Disburse the weight over structural supports where possible.

### 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 and should be removed 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.

# TITANIUM<sup>®</sup> PSU 30

## SYNTHETIC ROOFING UNDERLAYMENT

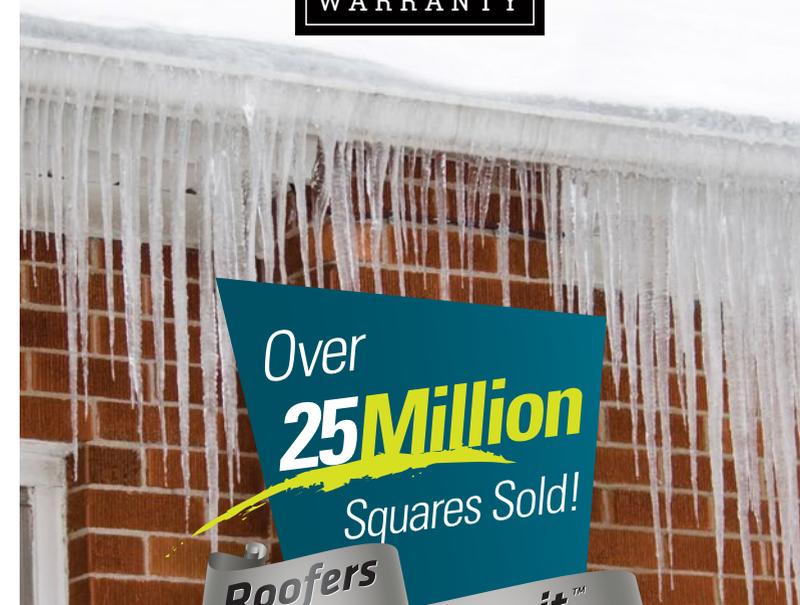
Premium Self Adhered Underlayment for  
Protection from Wind Driven Rain,  
Water, Snow and Ice Dams  
For use under all:  
Metal, Tile, Slate, Shake & Shingle Roofing

SUPERIOR WALKABILITY!

# SURE-FOOT<sup>®</sup>

Patented Sure-Foot nodular walking surface

TITANIUM<sup>®</sup>  
**LIFETIME**  
LIMITED  
WARRANTY



Over  
**25 Million**  
Squares Sold!

Roofers  
rely on it.™

\*See [www.InterWrap.com/LifetimeWarranty](http://www.InterWrap.com/LifetimeWarranty) for complete coverage and restrictions



Titanium® PSU30 is the only modified rubberized asphalt Peel & Stick underlayment with a patented slip resistant Sure-Foot® nodular walking surface technology that allows for easier steep slope walkability, even in wet or dusty conditions. PSU30 also features a crinkled silicon treated poly split release liner making removal quicker and easier than single sheet competitors.

PSU30 is specifically designed for waterproofing protection on 2:12 or greater sloped roof applications subject to the effects of ice damming and wind driven rain. Its rubberized asphalt adhesive offers a unique combination of both high temperature (240°F / 115°C) flow resistance, and low temperature (40°F / 4.4°C) deck adhesion. In addition PSU30 offers up to 6 months UV exposure rating. Unlike other brands with multiple roll offerings for different roof types, a single PSU30 product can be used under all types of primary roofing materials including; metal, tile, shake, slate, and both asphalt and synthetic shingles. Used in conjunction with Titanium UDL30 synthetic roofing underlayment, these 2 products (UDL30 & PSU30) offer the sloped roofing category a unique combination of safety, security and simplicity.

PSU30's unique cool gray surface technology does not expand or contract and provides for a cooler working surface during installations. It's tough, durable, coated woven synthetic facer and rubberized asphalt formulation is engineered to lay flat and not buckle or wrinkle when exposed to temperature and moisture fluctuations on the roof.

PSU30 is also a granular free surface. Loose granules can become a safety hazard, score the underneath of metal roofing systems, and track underneath footing causing damage to metal roofing systems including making them susceptible to premature corrosion. Granular surfaced membranes also deliver inferior seam overlap strengths and integrity; a critical issue for ice damming and wind driven rain protection.

For increased protection PSU30 provides a self sealing lap seal system which forms an impervious asphalt to asphalt bond at overlapping seams, delivering superior waterproofing protection.

Ensure you have the right product protecting your home. Titanium is backed by an industry leading Lifetime Limited Warranty –Titanium PSU30 will continue to provide a secondary layer of protection against leaks for your high quality, long life rated, primary roofing long after oil saturated felt products have turned to dust!



## PREMIUM PROTECTION

### Secondary Water Barrier

#### Watertight lap system

PSU30's asphalt to asphalt watertight lap system is the ultimate protection against wind driven rain, water, snow and ice dams.

#### Safer slip resistance

Our patented Sure-Foot® nodular surface provides excellent walkability and slip resistance even in wet or dirty conditions.

#### Split release liner

Our crinkled silicone treated split-release liner makes removal quicker and easier than single sheet liners.

#### Strong deck adhesion

PSU30's modified rubberized asphalt provides a superior combination of low temperature deck adhesion and high temperature flow resistance.



- Watertight asphalt to asphalt lap system
- Up to 6 months UV exposure rating
- Meets and exceeds ASTM D1970
- ICC ES Approved
- Class A Fire ASTM E108, CAN/CSA A220.1
- Meets Class 4 Hail Rating
- Florida Building Code Approved
- Texas Department of Insurance
- PSU30 is an approved Polyfoam underlayment for use with Polyset® foam systems
- The only modified rubberized asphalt Peel & Stick with a tough and rugged surface
- All temperature performance -40°F to 240°F  
- Installation temperature 40°F and above
- Synthetic construction inert to mold growth
- Cool gray surface, doesn't expand or contract



### TITANIUM PSU30 ROLL SPECS

|                   |                               |
|-------------------|-------------------------------|
| LENGTH PER ROLL:  | 72' / 22 m                    |
| WIDTH PER ROLL:   | 36" / 0.914 m                 |
| WEIGHT PER ROLL:  | 48 lbs / 21.8 kg              |
| GROSS ROLL SIZE:  | 216 sq ft / 20 m <sup>2</sup> |
| NET OF OVERLAP:   | 2 sq / 18.58 m <sup>2</sup>   |
| ROLLS PER PALLET: | 25                            |
| PALLET WEIGHT:    | 1,300 lbs / 590 kg            |

### TITANIUM PSU30 TECHNICAL DATA

| TEST & STANDARD*     | TITANIUM PSU30 TYPICAL VALUE                                   |
|----------------------|--|
| Color                | Gray   |
| Surface              | Synthetic Polymer - Patented Sure-Foot® slip resistant nodular |
| Release Liner        | Silicone treated, poly split release                           |
| Weight Per Square    | 24 lbs / (10.8 kg)   |
| Nail Sealability     | Pass   |
| Permeability         | 0.0336   |
| Nominal Thickness    | ASTM D5147 45 Mil (1.1 mm)                                     |
| Tensile              | ASTM D1970 MD 100 lbs/in/ (17.5 kN/m) CD 80 lbs/in (14 kN/m)   |
| Thermal Stability    | ASTM D1970 240° F (115° C) Pass                                |
| Low Temp Flexibility | ICC AC 48 Pass   |
| Tear Resistance      | ASTM D1970 MD 140 / CD 100 lbf (622/445 N)                     |
| Adhesion to Plywood  | ASTM D903 4 lb/in (700 N/m)                                    |

#### InterWrap® Roofing Products Division

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\*Titanium brand products are manufactured in accordance with national standards which allow for non-critical variances in weights and measurements. Test data is based on an average taken over several production runs and should not be considered or interpreted as maximum or minimum values. Values are typical data and not limiting specifications. All values ± 10%.