

TITANIUM® UDL 50 COMMERCIAL GRADE

SYNTHETIC ROOFING UNDERLAYMENT

Installation Instructions

TITANIUM® UDL-50 is an air, water and vapor barrier. It must be installed above properly ventilated spaces (follow ALL building codes applicable to your geographical region and structure type) as it is considered a vapor barrier (.05 perms). The use of a rosin paper slip-sheet is not required underneath metal roofing systems. Protrusions from the deck area must be removed and decks shall have no voids, damaged or unsupported areas. The use of a straight edge cutting knives is recommended.

TITANIUM® UDL-50 is laid out horizontally (parallel) to the eave with the printed side up, and with the 4 inch (101mm) horizontal laps and 6 inch (152mm) vertical laps. Follow the codes for low slope as defined as 2:12 to 4:12 and steep slope greater than 4:12 applications. TITANIUM® UDL-50 must be attached to the structural roof deck material using 3/8 inch head electro galvanized (EG) roofing nails; tin tag caps & nails; screws with washers; plastic cap staples or plastic cap nails with 7/16 inch legs or longer. Anchoring to be installed at a minimum as per surface markings, spaced 6" (15cm) on center in the vertical and horizontal laps, and at 12" (30cm) on center along the center of the roll in the field as marked.

If the application of TITANIUM® UDL-50 and the final roofing material occur on the same day, then the option to use every other printed anchoring placement is acceptable. All anchoring devices must be flush, 90 degrees to the roof deck, and tight with the underlayment surface and the structural roof deck. For extended exposure (months) or high wind, double the lap widths as a minimum. Option: Fold the overlay laps forming a "J" channel configuration before nailing; using a compatible sealant between the laps, or using a peel and stick tape is highly recommended. See our website for more details.

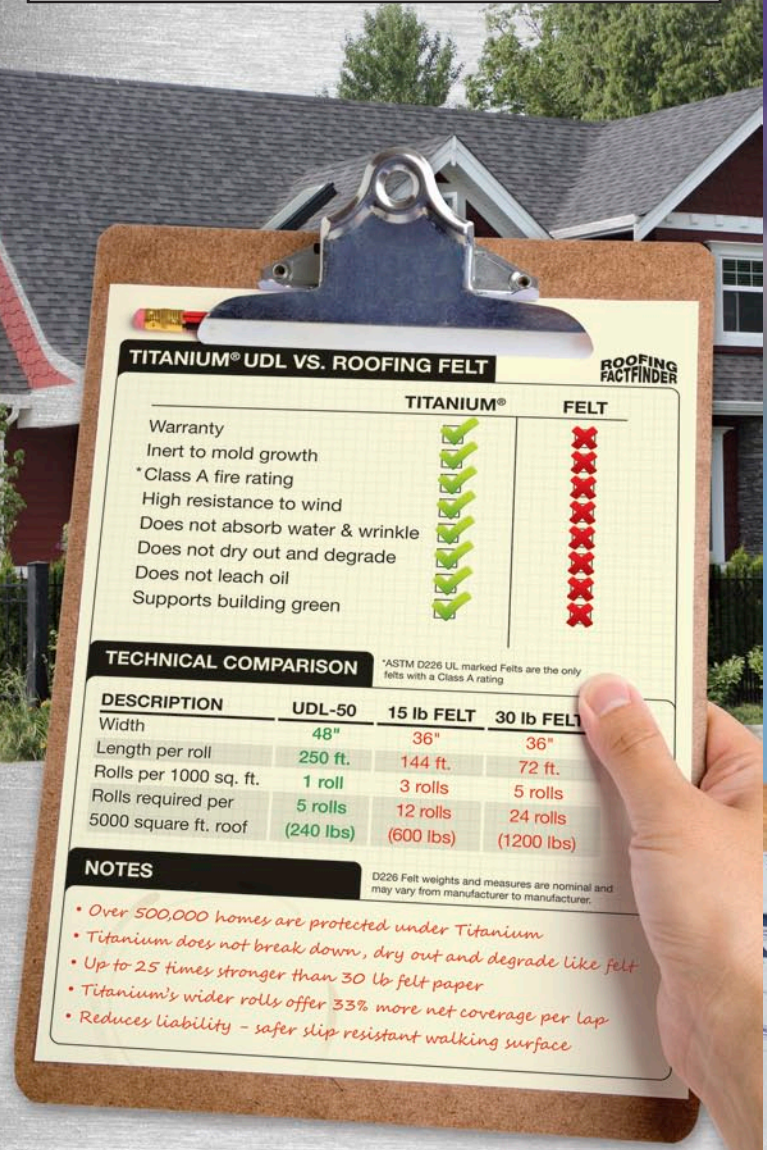
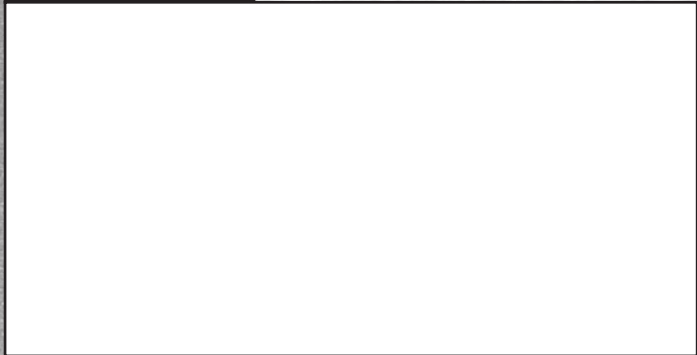
For batten secured installations, use only adequate length nails or screws to secure battens to the structural roof deck material. It is recommended to use 3/8 inch head electro galvanized roofing nails; plastic cap staples; plastic cap nails or screws with metal or plastic washers to secure TITANIUM® UDL-50 to prevent blow off until the batten system is installed. When using plastic cap and staples, staple leg should be a minimum 1/2 inch or longer. Do not install battens directly over any plastic caps. If this occurs, remove plastic cap staples or nails, patch the hole, then install cap outside batten field and continue. Where seams and joints require sealant or adhesive, use a high quality, low solvent, Asbestos free, plastic roofing cement meeting ASTM D-4586 Type 1 (Asbestos free), Federal Spec SS-153 Type 1 (Asbestos free) such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant. Depending on roof pitch and surface conditions, blocking may be required to support materials on the roof.

TITANIUM® UDL-50 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. Use caution when walking or standing on TITANIUM® UDL-50 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® UDL 50 COMMERCIAL GRADE

SYNTHETIC ROOFING UNDERLAYMENT

PREMIUM LEAK PROTECTION

HEAVY DUTY COMMERCIAL GRADE



STRONGER LIGHTER FASTER SAFER GREENER



For more information about InterWrap's recycling programs go to: www.interwrap.com/recycle



TITANIUM® UDL 50 COMMERCIAL GRADE

SYNTHETIC ROOFING UNDERLAYMENT

AIR, WATER & VAPOR BARRIER
FOR USE UNDER ALL: PREMIUM METAL, TILE, CLAY,
CONCRETE, SLATE, SHAKES & SHINGLES

TITANIUM® UDL-50 is a highly engineered, mechanically attached, commercial grade coated woven synthetic roofing underlayment for sloped roofs. TITANIUM UDL-50 is the first product for sloped roofs to address high end primary roofing products with long life warranties such as metal, clay & concrete tiles, slate and heavy weight laminated asphalt shingles. TITANIUM UDL-50 used in conjunction with TITANIUM PSU-30 self adhered underlayment for ice damming and valley areas, offers the sloped roofing industry a truly revolutionary system of safety, security and simplicity... two products (UDL-50 & PSU-30) are ALL your premium roofing systems need.

TITANIUM UDL-50 advanced polymers combine to deliver a uniquely gray synthetic roofing underlayment that can be used under all types of primary roofing materials to replace felt. Gray technology provides for a cooler roof and one of the best UV exposure properties (up to 6 months) in the marketplace. Unlike smooth surfaced underlayments, TITANIUM UDL-50 possesses a revolutionary patented slip resistant SURE-FOOT™ nodular walking surface technology that allows for easier steep slope walk-ability.

Gone are the days of blow-offs and call backs. A 10 square roll weighs only 48 lbs! This super low weight combined with 48" width and 250 ft. run length means big savings in time and labor (over 30% faster to install than felt!). Fewer laps, cuts and roll handling means you can do more jobs in less time. Inventory fewer rolls and gain an edge in productivity and profits.

TITANIUM UDL-50 is 100% synthetic, therefore totally unaffected by water, which means it is 100% inert to mold, lays flat, will not wrinkle and you can leave your roof uncovered without the need for tarps or immediate dry-in. Unlike felts, TITANIUM UDL-50 does not dry out, leach oils in the heat, nor does it become stiff, difficult to roll or crack in the cold.

TITANIUM UDL-50 with its advanced composition and thicker more robust construction, is designed for commercial applications. Combining the unique features of TITANIUM UDL-50 with a 6 month UV exposure rating means your job will stay on track through all kinds of wind and weather. Less material damage and waste during installation and fewer post-install repairs result in significant savings in time and money. TITANIUM UDL-50 will continue to protect your high end primary roofing products long after felt has turned to dust!



weaving a better world™

Turn your next roofing job into a **MASSIVE BILLBOARD!**
 Print your logo here



DUAL LOGO

Custom Printing Available!

- 5 times lighter and 25 times stronger than #30 felt
- 50 year limited warranty
- Synthetic construction inert to mold growth
- Tougher, thicker robust construction that can withstand harsh environmental conditions
- Patented SURE-FOOT™ slip resistant nodular walking surface and an advanced resin technology that provide superior steep slope walk-ability
- Contributes to LEED® points
- SCS certified minimum of 20% reclaimed content (100% Recyclable)
- Class A Fire ASTM E108, Meets and exceeds ASTM D226
- Meets Class 4 Hail Rating
- All temperature performance -40°F to 240°F (-40°C to 115°C)
- 6 month UV exposure rating
- Cool light gray surface, doesn't expand or contract
- Dual logo custom printing available



TITANIUM® UDL-50 | SPECS

LENGTH PER ROLL:	250' / 76.2 m
WIDTH PER ROLL:	48" / 122 cm
WEIGHT PER ROLL:	48 lbs / 21.8 kg
ROLL SIZE:	10 sq / 93 m ²
ROLLS PER PALLET:	25
PALLET WEIGHT:	1250 lbs / 567 kg

MIAMI-DADE COUNTY APPROVED



Intertek

This product is manufactured in accordance with national standards which allow for non-critical variances in weights and measures.

TITANIUM® UDL-50 | TECHNICAL DATA

TEST & STANDARD	TITANIUM® UDL-50 TYPICAL VALUE	ASTM #30 FELT TYPICAL VALUE
Class A Fire ASTM E108	Pass	N/A
Nail Sealability Modified ASTM D1970	Pass	N/A
Permeability ASTM E96	0.05 perms	1.75 perms
Water Transmission ASTM D4869	Pass	Pass
Tear Strength ASTM D4533	MD 55 lbs (25 kg) CD 55 lbs (25 kg)	MD 4 lbs (1.8 kg) CD 2 lbs (0.9 kg)
Tensile Strength ASTM D751	MD 178 lbs (81 kg) CD 176 lbs (80 kg)	MD 70 lbs (32 kg) CD 38 lbs (17 kg)
Burst Strength ASTM D751	300 psi (2065 kPa)	62 psi (430 kPa)
Elongation ASTM D751	MD 20 % CD 20 %	MD 2% CD 2%
Weight per Square ASTM D5261	4.7 lbs (2.13 kg)	27.5 lbs (12.5 kgs)
Minimum Thickness ASTM D1777	30 mils (0.75 mm)	60 mils (1.5 mm)

Test data is based on average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values ± 10%



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