

TITANIUM® UDL 25 PLUS

SYNTHETIC ROOFING UNDERLAYMENT

INSTALLATION INSTRUCTIONS

TITANIUM® UDL-25 PLUS is an air, water and vapor barrier. It must be installed above properly ventilated spaces (follow ALL building codes applicable to your geographical regions and structure type) as it is considered a vapor barrier (.06 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 straight edge cutting knives is recommended.

TITANIUM® UDL-25 PLUS is laid out horizontally (parallel) to the eave with the printed side up, and with the 4 inch horizontal laps and 6 inch vertical laps. Follow the codes for low slopes as defined as 2:12 to 4:12 and steep slopes greater than 4:12 applications.

Fasteners: If leaving TITANIUM® UDL-25 PLUS exposed longer than 5 days product must be attached to the structural roof deck material using a minimum 1" (25mm) diameter plastic or metal cap with either ring shank nails (preferred) or smooth leg nails (acceptable). Miami Dade approved tin tags/metal caps acceptable with the rough edge facing up. If product is going to be covered with asphalt shingles or metal roofing panels within 5 days UDL-25 PLUS can be installed with the use of corrosive resistant 3/8" head x 1" minimum length leg roofing nails (ring shank nail leg is recommended). **DO NOT USE STAPLES:** use of staples to penetrate TITANIUM® UDL-25 PLUS will void warranty.

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 UDL 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, tight with the underlayment surface and the structural roof deck. For extended exposure (months) and or high wind, double the lap widths as a minimum. Alternatively: 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 ring shank nails or screws (preferred), smooth leg nails (acceptable) to secure battens to the structural roof deck material. The use of cap nails is only required to secure TITANIUM® UDL-25 PLUS and prevent blow-off until the batten system is installed. Do not install battens directly over any cap nails. If this occurs, remove cap nail, patch the hole, then install cap outside batten field and continue.

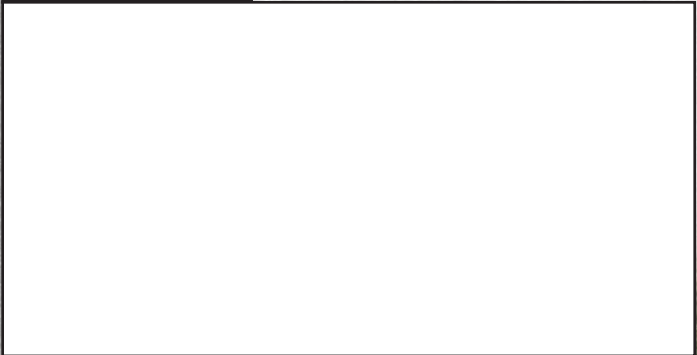
Where seams and joints require sealant or adhesive, use a high quality, low solvent asbestos free, plastic roofing cement meeting ASTM D-4586 Type 1 (Asbestos Free) Federal Spec SS-153 Type 1 (Asbestos Free) such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, 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-25 PLUS 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-25 PLUS as wet and/or dusty conditions may reduce traction. Failure to use proper safety gear and footwear can result in serious injury.

Distributed by:



TITANIUM® UDL VS. ROOFING FELT ROOFING FACTFINDER

	TITANIUM®	FELT
Warranty	✓	✗
Inert to mold growth	✓	✗
*Class A fire rating	✓	✗
High resistance to wind	✓	✗
Does not absorb water & wrinkle	✓	✗
Does not dry out and degrade	✓	✗
Does not leach oil	✓	✗
Supports building green	✓	✗

TECHNICAL COMPARISON *ASTM D226 UL marked Felts are the only felts with a Class A rating

DESCRIPTION	UDL-25	15 lb FELT	30 lb FELT
Width	48"	36"	36"
Length per roll	250 ft.	144 ft.	72 ft.
Rolls per 1000 sq. ft.	1 roll	3 rolls	5 rolls
Rolls required per 5000 square ft. roof	5 rolls (155 lbs)	12 rolls (600 lbs)	24 rolls (1200 lbs)

NOTES D226 Felt weights and measures are nominal and may vary from manufacturer to manufacturer.

- Over 500,000 homes are protected under Titanium
- Titanium does not break down, dry out and degrade like felt
- Up to 20 times stronger than 30 lb felt paper
- Titanium's wider rolls offer 33% more net coverage per lap
- Reduces liability - safer slip resistant walking surface

TITANIUM® UDL 25 PLUS

SYNTHETIC ROOFING UNDERLAYMENT

PREMIUM LEAK PROTECTION

VALUE & PERFORMANCE



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



STRONGER LIGHTER FASTER SAFER GREENER

TITANIUM® UDL 25 PLUS

SYNTHETIC ROOFING UNDERLAYMENT

AIR, WATER & VAPOR BARRIER
FOR USE UNDER: METAL, SHAKE & SHINGLE ROOFING

TITANIUM® UDL-25 PLUS, is the newest addition to the TITANIUM series of underlayments with all the features you expect from TITANIUM in a value priced product!

TITANIUM UDL-25 PLUS is a highly engineered, mechanically attached, coated woven synthetic roofing underlayment for sloped roofs. TITANIUM UDL-25 PLUS represents the future in felt replacement technology, and used in conjunction with TITANIUM PSU-30 self adhered underlayment for ice damming and valley areas, offers a truly revolutionary system of safety, security and simplicity... Two products (UDL-25 PLUS & PSU-30) are ALL your sloped roof needs.

TITANIUM UDL-25 PLUS's advanced polymers combine to deliver a uniquely gray synthetic roofing underlayment that can be used under primary roofing materials to replace felt. Gray technology provides for a cooler roof and the best UV exposure properties (up to 6 months) in the marketplace. Unlike smooth surfaced underlayments, TITANIUM UDL-25 PLUS has a unique ridged SURE-GRIP™ walking surface PLUS our new Diamond-Plate slip resistant coating technology that allows for easier steep slope walk-ability, even when wet.

Gone are the days of blow-offs and call backs. A 10 square roll weighs only 31 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.

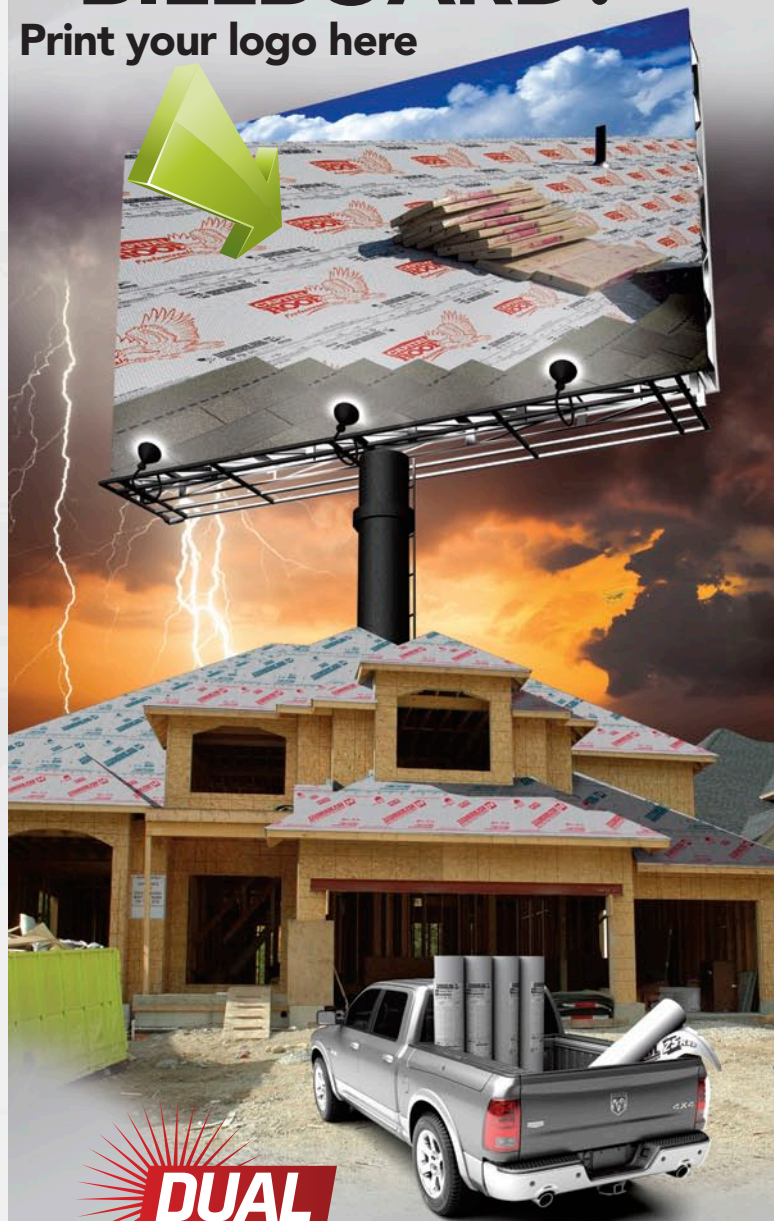
TITANIUM UDL-25 PLUS is 100% synthetic, therefore totally unaffected by water, which means it is 100% inert to mold, lays flat, will not wrinkle and you can leave your roof uncovered without the need for tarps or immediate dry-in. Unlike felts, TITANIUM UDL-25 PLUS does not dry out, leach oils in the heat, nor does it become stiff, difficult to roll or crack in the cold.

The unique features of TITANIUM® UDL-25 Plus combined with exceptional tear strength and up to 6 months exposure time allows your job to 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-25 PLUS will continue to protect your high cost, long life rated primary roofing long after felt has turned to dust!

Turn your next roofing job into a MASSIVE BILLBOARD!

Print your logo here



DUAL LOGO

Custom Printing Available!

- 8 times lighter and 20 times stronger than #30 felt
- 25 Year limited warranty (See website for warranty details)
- Class A Fire ASTM E108, Meets & exceeds ASTM D226
- Meets Class 4 Hail Rating
- Synthetic construction inert to mold growth
- SURE-GRIP™ ridged walking surface PLUS with a Diamond-Plate slip resistant coating technology!
- Contributes to LEED® points
- Certified minimum of 20% reclaimed content (100% Recyclable)
- All temperature performance -40°F to 240°F (-40°C to 115°C)
- 6 month UV exposure
- Cool light gray surface, doesn't expand or contract
- Dual logo custom printing available



TITANIUM® UDL-25 PLUS | SPECS

LENGTH PER ROLL:	250' / 76.2 m
WIDTH PER ROLL:	48" / 122 cm
WEIGHT PER ROLL:	31 lbs / 14 kg
ROLL SIZE:	10 sq / 93 m ²
ROLLS PER PALLET:	42
PALLET WEIGHT:	1352 lbs / 613 kg

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



CLASS A
 ASTM E108
 ASTM D226
 FIBERGLASS
 SHINGLES
 FBC #1468
 CAN/CSA A220.1

TITANIUM® UDL-25 PLUS | TECHNICAL DATA

TEST & STANDARD	TITANIUM®UDL-25 PLUS 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	.06 perms	1.75 perms
Water Transmission ASTM D4869	Pass	Pass
Tear Strength ASTM D4533	MD 40 lbs (18 kg) CD 35 lbs (17 kg)	MD 4 lbs (1.8 kg) CD 2 lbs (0.9 kg)
Tensile Strength ASTM D751	MD 154 lbs (70 kg) CD 110 lbs (50 kg)	MD 70 lbs (32 kg) CD 38 lbs (17 kg)
Burst Strength ASTM D751	220 psi (1517 kPa)	62 psi (430 kPa)
Elongation ASTM D751	MD 18% CD 18%	MD 2% CD 2%
Weight per Square ASTM D5261	2.9 lbs (1.3 kgs)	27.5 lbs (12.5 kgs)
Minimum Thickness ASTM D1777	17 mils (0.43 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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