INSTALLATION INSTRUCTIONS

Titanium® UDL30 is an air, water and vapor barrier (.06 perms) and therefore should be installed above a properly ventilated space(s). It is recommended to follow all building codes applicable to your geographical region and structure type.

DECK PREP: All protrusions from the deck area must be removed and ensure the deck has no voids, damaged or unsupported areas. Deck surface should be free of debris, dry and moisture free.

USE: UDL30 must be covered by primary roofing within 180 days of application. UDL30 is designed for use under all primary roofing types including; Metal, Shake and Shingle roofing.

APPLICATION: For slopes 4:12 and higher UDL30 is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4" and vertical laps should be 6"and anchored approximately 1" in from the edge. For low slope applications (less than 4:12) it is recommended to overlap 50% plus 1", for complete definition of low slope and guidelines consult authorities having jurisdiction. UDL30 product is not recommended for slopes less than 2:12. The use of a roofing hammer, hatchet hammer, pneumatic air or gas driven fastener tools is acceptable. The use of a straight edge cutting knife is recommended.

FASTENERS: For same day coverage with primary roofing UDL30 can be anchored with corrosive resistant 3/8" head x 1" leg roofing nails (ring shank preferred, smooth leg acceptable). The use of every other anchoring location printed on the product is also acceptable. DO NOT USE STAPLES: The use of staples to penetrate UDL30 will void warranty.

ANCHORING: All anchoring nails must be flush, 90 degrees to the roof deck, and tight with the underlayment surface and the structural roof deck. Where seams and joints require sealant or adhesive use a low solvent plastic roofing cement meeting ASTM D-4586 Type 1, or Federal Spec SS-153 Type 1 such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant.

EXTENDED EXPOSURE: If Titanium UDL30 product will be exposed longer than 1 day but less than 5 days then it is recommended to anchor using corrosive resistant 3/8" head x 1" leg roofing nails (Ring shank preferred). Use of every other anchoring point in the field is acceptable. For exposure more than 5 days and up to 180 days UDL30 product must be anchored with 1" plastic or metal cap smooth or ring shank roofing nails. Miami-Dade approved tin tags and nails or metal caps are also acceptable, and it is recommended for best performance to use with the rough edge facing up. For extended exposure it is always recommended to anchor on every printed position on the facer. Note: UDL30 is not designed for indefinite outdoor exposure. For extended exposure conditions where driving rain or strong winds are expected it is recommended to take additional precautions such as doubling the lap widths. Alternately or in addition to a compatible sealant could be used between the laps or a peel and stick tape could be applied to the overlaps.

CAUTION - READ GOOD SAFETY PRACTICES BELOW

Good safety practices should be followed on steep slope roofs, such as use of tie-offs, toe boards, ladders and/or safety ropes and personal body harnesses. Follow OSHA guidelines. Slip resistance may vary with surface conditions from debris that accumulates, weather, footwear and roof pitch. Failure to use proper safety gear can result in serious injury. Depending on roof pitch and surface conditions, blocking may be required to support materials on the roof and is good safety practice. Remember to seal the fastener holes that secured the blocking after they have been removed.

DISTRIBUTED BY:

TITANIUM® UDL30 vs. ROOFING FELT

	TITANIUM®	FELT
Lifetime Warranty††	✓	✗
Inert to mold growth	✓	✗
High resistance to wind	✓	✗
Does not absorb water & wrinkle	✓	✗
Does not dry out & degrade	✓	✗
Does not leach oil	✓	✗
Class A fire rating*	✓	✗
Meeting class 4 hail rating	✓	✗
Supports building green	✓	✗

TECHNICAL COMPARISON

	UDL30	15LB FELT	30LB 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 sq. ft. roof	5 rolls (200 lbs)	12 rolls (420 lbs)	24 rolls (744 lbs)

NOTES

- Over 1,000,000 homes are protected under Titanium
- Titanium does not break down, dry out and degrade like felt
- Synthetic material avoids potential chemical incompatibility between primary roofing and petroleum impregnated felt
- Storm protection - stronger waterproof membrane acts as a secondary layer of protection
- Reduces liability - safer slip resistant walking surface

D226 Felt weights and measures are nominal and may vary from manufacturer to manufacturer.
*ASTM D226 UL market felts are the only felts with a class A rating. ††See actual warranty for compete coverage and restrictions

TITANIUM® UDL 30

SYNTHETIC ROOFING UNDERLAYMENT

FOR USE UNDER:

ASPHALT SHINGLES, RESIDENTIAL METAL, SLATE, SHAKE & COMPOSITE SHINGLES

SUPERIOR WALKABILITY!

SURE-FOOT®

Patented Sure-Foot nodular walking surface

Titanium® UDL30 is a highly engineered, mechanically attached, coated woven synthetic roofing underlayment designed for sloped roofs. UDL30 represents the future in felt replacement technology, and used in conjunction with Titanium PSU30 self-adhered underlayment, offers the sloped roofing industry a truly revolutionary system of safety, security and simplicity.

UDL30's advanced polymers combine to deliver a unique gray synthetic roofing underlayment that can be used under all types of primary roofing materials to replace #30 felt. Gray technology provides for a cooler working surface during installations and up to a 6 month UV exposure. Unlike smooth surfaced underlayments, UDL30 possesses a revolutionary patented slip resistant Sure-Foot® nodular walking surface technology that allows for easier steep slope walkability, even in wet conditions.

Gain an edge in productivity and profits; UDL30's light weight, 48" width and 250 ft run length allows for fewer laps, cuts and easier roll handling compared to felt. This means you can do more jobs in less time, use less labor, and inventory fewer rolls.

UDL30 is 100% synthetic, therefore totally unaffected by water, which means it is 100% inert to mold, lays flat and will not wrinkle. Stay on track, take on more jobs and sleep assured that your UDL30 projects will remain intact and dried-in. Unlike felts, UDL30 does not dry out, leach oils in the heat, nor does it become stiff, difficult to roll or crack in the cold.

UDL30 is 20 times stronger than #30 felt, gone are the days of blow-offs and call backs! 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. UDL30 will continue to protect your high cost, long life rated, primary roofing long after oil saturated felt products have turned to dust!

MASSIVE BILLBOARD!

Turn your next roofing job into a . . .

Inquire today about Dual Logo printing on Titanium UDL30 Synthetic Underlayment.

- Up to 6 months UV exposure rating
- Meets and exceeds ASTM D226 Types I & II
- 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
- 6 times lighter and 20 times stronger than #30 felt
- Contributes to LEED® points, 100% Recyclable
- All temperature performance -40°F to 240°F
- Synthetic construction inert to mold growth
- Cool gray surface, doesn't expand or contract
- Dual logo custom printing available

MIAMI-DADE COUNTY APPROVED

Intertek

Intertek

TITANIUM UDL30 ROLL SPECS

LENGTH PER ROLL:	250' / 76.2 m
WIDTH PER ROLL:	48" / 122 cm
WEIGHT PER ROLL:	40 lbs / 18.2 kg
ROLL SIZE:	10 sq / 93 m^2
ROLLS PER PALLET:	30
PALLET WEIGHT:	1,250 lbs / 567 kg

TITANIUM UDL30 TECHNICAL DATA

TEST & STANDARD†	TITANIUM UDL30 TYPICAL VALUE	ASTM #30 FELT TYPICAL VALUE
CLASS A FIRE ASTM E108	Pass	N/A
PERMEABILITY ASTM E96	.06 perms	1.75 perms
WATER TRANSMISSION ASTM D4869	Pass	Pass
TEAR STRENGTH ASTM D4533	MD 44 lbs (20 kg) | CD 40 lbs (18 kg)	MD 4 lbs (1.8 kg) | CD 2 lbs (0.9 kg)
TENSILE STRENGTH ASTM D751	MD 143 lbs (65 kg) | CD 110 lbs (50 kg)	MD 70 lbs (32 kg) | CD 38 lbs (17 kg)
BURST STRENGTH ASTM D751	250 psi (1720 kPa)	62 psi (430 kPa)
ELONGATION ASTM D751	MD 18% CD 18%	MD 2% CD 2%
WEIGHT PER SQUARE ASTM D5261	4 lbs (1.82 kgs)	27.5 lbs (12.5 kgs)
MINIMUM THICKNESS ASTM D1777	25 mils (0.63 mm)	60 mils (1.5 mm)

TITANIUM® Synthetic Roofing Underlayment
Charleston, SC • Mission, BC • Montréal, QC
Email: answers@owenscorning.com
Toll Free: 800.567.9727
eavetopeak.com

†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%.

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