

TITANIUM™ UDL 30

SYNTHETIC ROOFING UNDERLAYMENT

USE UNDER • METAL • TILE • SLATE • SHAKE • SHINGLE

Installation Instructions (USE NO STAPLES)

TITANIUM™ UDL-30 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. The use of straight edge cutting knives is recommended. TITANIUM™ UDL-30 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 slopes as defined as 2:12 to 4:12 and steep slopes greater than 4:12 applications.

TITANIUM™ UDL-30 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. USE NO STAPLES: use of staples to penetrate TITANIUM™ UDL-30 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 (ANY signs of product up lifting), double the lap widths as a minimum. Options: 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.

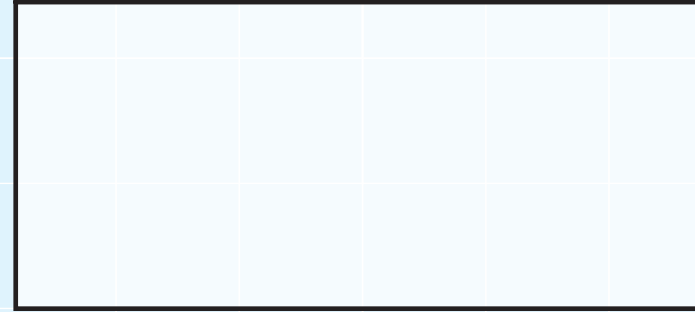
For batten secured installations, use only adequate length ring shank nails or screws (preferred), smooth leg nails (acceptable) to secure battens to the structural roof deck material (USE NO STAPLES). The use of cap nails is only required to secure TITANIUM™ UDL-30 and prevent blow-off until the batten 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. The use of butyl rubber, urethane, and EDPM based caulk or tape sealant can also be used. Depending on roof pitch and surface conditions, blocking may be required to support materials on the roof.

TITANIUM™ UDL-30 is not designed for indefinite outdoor exposure. Final roofing should be installed within 6 months.

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

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TITANIUM™ UDL 30

SYNTHETIC ROOFING UNDERLAYMENT



CAN/CSA A220.1
 FLORIDA BUILDING CODE
 CLASS A ASTM-E108
 FIBREGLASS SHINGLES



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™ UDL-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™ UDL-30 is a highly engineered, mechanically attached, coated woven synthetic roofing underlayment for sloped roofs. TITANIUM™ UDL-30 represents the future in felt replacement technology, and used in conjunction with TITANIUM™ PSU-30 self adhered underlayment, offers the sloped roofing industry a truly revolutionary system of safety, security and simplicity... 2 products (UDL-30 & PSU-30) are ALL your roof needs.

In TITANIUM™ UDL-30, 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 the best UV exposure properties (up to 6 months) in the marketplace. Unlike smooth surfaced underlayments, TITANIUM™ UDL-30 possesses a revolutionary patented slip resistant SURE-FOOT™ nodular walking surface technology that allows for easier steep slope walk-ability, even in wet conditions.

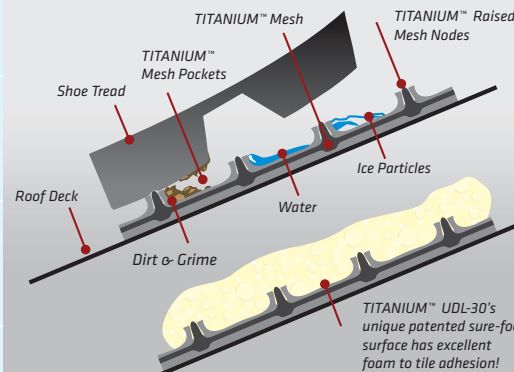
Gone are the days of blow-offs and call backs. A 10 square roll weighs only 40 lbs! This super low weight combined with 48" width and 250 ft. run length means big savings in time and labor (over 50% faster than felt!). Fewer laps, cuts, roll handling; do more jobs in less time, inventory fewer rolls and gain an edge in productivity and profits.

TITANIUM™ UDL-30 is 100% synthetic, therefore totally unaffected by water, which means it is 100% mold free, 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-30 does not dry out, crack, or leech oils in the heat, nor does it become stiff, difficult to roll, and crack in the cold.

The unique features of TITANIUM™ UDL-30 combined with super high tear strength and up to 6 months UV rating means your job will stay on track through all kinds of wind and weather. Increase your job schedule flexibility and efficiency, and sleep tight on your dried-in projects. Less material damage and waste during installation and fewer post-install repairs result in significant savings in time and money. TITANIUM™ UDL-30 will continue to protect your high cost, long life rated primary roofing long after felt has turned to dust! TITANIUM™ UDL-30 comes with a 30 year limited warranty.



PATENTED
SURE-FOOT™
NODULAR
WALKING SURFACE



HOW SURE-FOOT™ WORKS

TITANIUM's unique patented nodular mesh design actively grips the rubber soles of footwear and provides a firm sure-footing that roofers can rely on. This advanced design greatly improves productivity and roofer comfort, walking on steep roof decks has never been easier! The rough and rugged design of TITANIUM's surface also provides an ideal bonding surface for foam and tile applications. The foam works its way into the surface, which when cured, results in a unmatched bond between underlayment and roofing tiles.

- Now with a **NEW** gray nodular profile walking surface with advanced resin surface technology that provides superior steep slope walk-ability, increased productivity and security!
- 30 Year Limited Warranty
- For use under all primary roofing materials
- All-Temperature flexibility
- Patented SURE-FOOT™ slip resistant nodular walking surface
- 6 month UV exposure
- Synthetic construction inert to mold growth
- Cool light gray surface, doesn't expand or contract



TITANIUM™ UDL-30 | TECHNICAL DATA

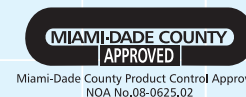
TEST & STANDARD	TITANIUM™ UDL-30 TYPICAL VALUE	ASTM 30# FELT TYPICAL VALUE
Class A Fire ASTM E108	Pass	N/A
Nail Sealability ASTM D1970	Pass	N/A
Permeability ASTM E96-00	0.06 perms	.05 perms
Water Transmission ASTM D4869	Pass	Pass
Tear Strength ASTM D226	MD 44 lbs (20 kg) CD 40 lbs (18 kg)	MD 4 lbs (1.8 kg) CD 2 lbs (0.9 kg)
Tensile Strength ASTM D751-95	MD 143 lbs (65 kg) CD 110 lbs (50 kg)	MD 70 lbs (32 kg) CD 38 lbs (17 kg)
Burst Strength ASTM D751-95	250 psi (1720 kPa)	62 psi (430 kPa)
Elongation ASTM D751-95	MD 18 % CD 18 %	MD 2% CD 2%
Weight per Square ASTM D5261	4.0 lbs (1.82 kg)	27.5 lbs (12.5 kgs)
Minimum Thickness ASTM D1777	25 mils (0.63 mm)	60 mils (1.5 mm)
Temperature Range	-70 °F (-55 °C) to 212 °F (100 °C)	14 °F (-10 °C) to 212 °F (100 °C)

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 %

TITANIUM™ UDL-30 | 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 m²
ROLLS PER PALLET:	30
PALLET WEIGHT:	1250 lbs / 567 kg

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



CLASS A
ASTM-E108
FIBERGLASS SHINGLES

FBC #1468
CAN/CSA
A220.1

ARCAT
www.arcat.com

NATIONAL
ROOFING
CONTRACTORS
ASSOCIATION

RCABC

Roofers rely on it.

Visit
www.interwrap.com/titanium

for more information

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