

# TITANIUM® UDL-30

## Professional Grade Synthetic Roofing Underlayment

### UDL30 Installation Instructions

Titanium® UDL30 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. UDL30 is laid out horizontally (parallel) to the eave with the printed side up, and using 4" horizontal laps and 6" vertical laps. Follow building codes for low slopes as defined as 2:12 to 4:12 and steep slopes greater than 4:12 applications.

**FASTENERS:** If leaving UDL30 exposed longer than 5 days product must be attached to the structural roof deck material using a minimum 1" diameter plastic or metal caps 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 UDL30 can be installed with the use of corrosive resistant 3/8" head x 1" minimum length leg roofing nail (ring shank nail leg is recommended).

**DO NOT USE STAPLES:** use of staples to penetrate UDL30 will void warranty. Anchoring to be installed at a minimum as per surface markings printed on the product, spaced 6" on center in the vertical and horizontal laps, and at 12" along the center of the roll in the field. If underlayment will be covered by primary roofing within 5 days of application, and not subject to heavy traffic or high wind, then the option to use every other printed anchoring point in the center field 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: Use a compatible sealant between the laps; use a peel and stick tape between the laps; or fold the overlay laps forming a "J" channel configuration before nailing.

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 UDL30 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.

UDL30 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 UDL30 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.



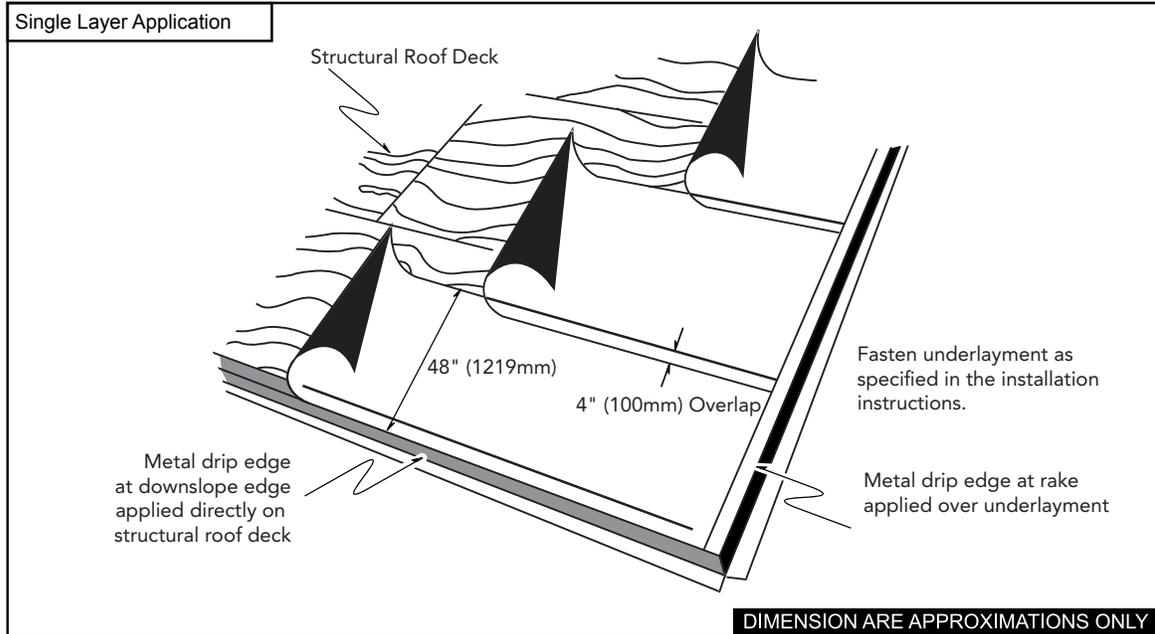
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# Titanium Application Diagram

## Single layer application of TITANIUM UDL's

For roof decks having slopes greater than 4:12, TITANIUM® UDL should be applied horizontally in shingle fashion with a 44 inch exposure and a 4 inch overlap.  
Pay special attention to high wind and wind driven rain condition application instructions.



## Double layer application of TITANIUM UDL's

For roof decks having slope of 2:12 to 4:12 a minimum of two layers of TITANIUM® UDL underlayment should be applied horizontally in shingle (water fall) fashion with a with a 23 inch exposure and a 25 inch overlap.

