



TITANIUM™ Roofing Products Information

TITANIUM™ UDL-50 COMMERCIAL GRADE Synthetic Roofing Underlayment

Installation Instructions

(USE NO STAPLES)

TITANIUM™ UDL-50 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 (.05 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-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 slopes as defined as 2:12 to 4:12 and steep slopes 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. 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.

For batten secured installations, use only adequate length nails or screws to secure battens to the structural roof deck material, and the use of 3/8 inch head electro galvanized roofing nails; plastic cap staples; plastic cap nails or screws with metal or plastic washers is only required to secure TITANIUM™ UDL-50 to prevent blow off until the batten system is installed. 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. 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 roofing materials placed on the roof.

TITANIUM™ UDL-50 is not designed for indefinite outdoor exposure. Final roofing should be installed within 6 months. We support the NRCA guidelines – www.nrca.net.

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-50 as wet and/or dusty conditions may reduce traction. Failure to use proper safety gear and footwear can result in serious injury.

SINGLE AND DOUBLE LAYER APPLICATION INSTRUCTIONS FOR TITANIUM UNDERLAYMENTS

For roof decks having slopes TITANIUM 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.

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



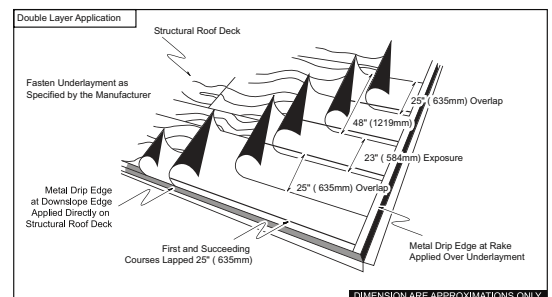
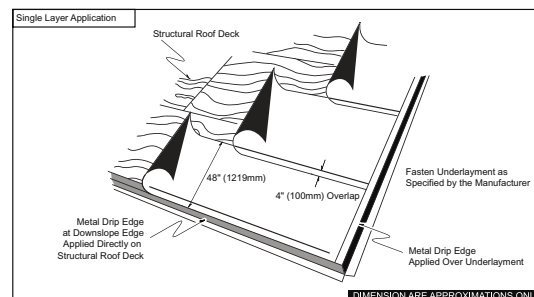
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TITANIUM™
SYNTHETIC ROOFING UNDERLAYMENT

Roofers rely on it.