

DELTA[®]-MAXX TITAN

INSTALLATION INSTRUCTIONS

Surface Preparation

- Ensure substrate (roof deck) is swept clean and free of any debris before installing the underlayment. Repair any voids or damaged roof deck before installation of roof underlayment begins.
- Where required by local building codes, a separate ice dam membrane must be applied along the eaves and valleys prior to installation of the DELTA[®]-MAXX TITAN. Always refer to the ice dam membrane manufacturer's recommended installation methods for proper application.

Installation of Roof Underlayment

1. DELTA[®]-MAXX TITAN is installed as a sheathing membrane, horizontally (parallel to the eaves), starting at the eaves. The printed side must always be facing up. Because of the adhesive strip at the bottom edge of the membrane, the membrane must be installed left to right. On roof slopes 4:12 or greater, DELTA[®]-MAXX TITAN should be installed with minimum 4" (10 cm) side (horizontal) laps (line is marked on the membrane for ease of installation, see detail A), and minimum 6" (15 cm) end (vertical) laps.
2. On roof slopes between 2:12 and 4:12, install DELTA[®]-MAXX TITAN with minimum 6" (15 cm) side laps (run top sheet along top of letters on lower sheet), and minimum 8" (20 cm) end laps.
3. Fasten DELTA[®]-MAXX TITAN to the roof deck with minimum 1" length galvanized nails, with a minimum 1" (2.5 cm) diameter plastic or metal cap (see detail B). In all typical wind areas, install fasteners at 12" (30 cm) on center along the top of the underlayment. In high wind and coastal areas, install fasteners at 6" (15 cm) on center along the top of underlayment. Cap nails can be either pneumatically or hand fastened. Ensure the fasteners are installed approximately midway between the upper edge of the material and the horizontal lap line.
4. On overlapping joints, remove the blue release tape of the adhesive edge, and press or roll seams firmly to obtain proper seal on side laps (see detail C). On all connections and end laps use DELTA[®]-MULTI-BAND to acquire proper seal. All exposed fasteners must be covered by a batten or sealed over with DELTA[®]-MULTI-BAND.
5. Install DELTA[®]-MAXX TITAN over the drip edge at all eaves, and under the drip edge at all rake edges (this may change with various roof applications).
6. Extend DELTA[®]-MAXX TITAN at least 6" (15 cm) up on sides of chimneys, vertical walls, etc. (see detail D). To ensure a secure and watertight seal fasten the underlayment to the surface with DELTA[®]-THAN, or DELTA[®]-MULTI-BAND (see detail E, F).



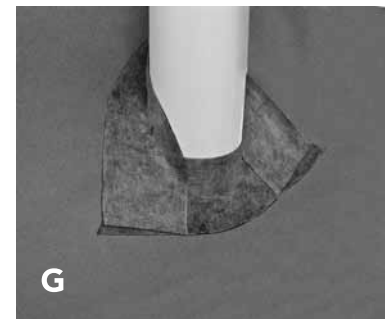
- 7. "X-cut" DELTA®-MAXX TITAN to fit over smaller protrusions such as plumbing vent stacks, and then fasten/seal directly to the protrusion using either DELTA®-FLEXX-BAND, or DELTA®-MULTI-BAND, ensuring a secure and water-tight seal (see detail G).
- 8. Installation of the roof cladding can proceed immediately after the installation of the DELTA®-MAXX TITAN. Although the product has extremely high UV-resistance, DELTA®-MAXX TITAN is not designed to be a permanently exposed final roof covering. Installation of the actual roof cladding must take place within 6 months after the installation of the underlayment or, if possible, sooner.
- 9. The DELTA®-MAXX TITAN has superior strength and skid resistance. Roofing materials can be loaded directly onto the underlayment.
- 10. Patch any rips, tears, or holes in the membrane less than 2" (5 cm) in diameter with DELTA®-MULTI-BAND or DELTA® FLEXX-BAND, centered over the tear. Patch any rips, tears, or holes larger than 2" (5 cm) in diameter with DELTA®-MAXX TITAN, cut at least 6" (15 cm) larger in diameter than the tear. Center the patch over the tear, and adhere with DELTA®-MULTI-BAND.
- 11. In order to take full advantage of the high reflectivity as well as high vapor permeability of this high performance roof underlayment, the installation of roof claddings over a lath/counter lath is recommended (see detail H).
- 12. Check your local building code to ensure that the installation complies with specific local requirements.

Technical Services

Our technical support team will be happy to assist you in case you require further information. For any installation or technical questions call 1-888-4DELTA4 (433-5824).

DELTA®-MAXX TITAN meets or exceeds the requirements of ICC-ES AC188, and other building code requirements. Code approvals are listed with Quality Auditing Institute at www.qai.org. For further details visit us at www.delta-maxxtitan.com.

ICC-ESR 2625 (iccsafe.org)



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Canadian Home Builders' Association

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