

DELTA[®]-ROOF

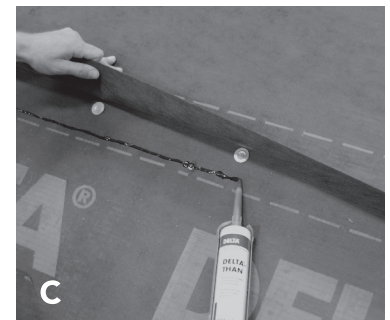
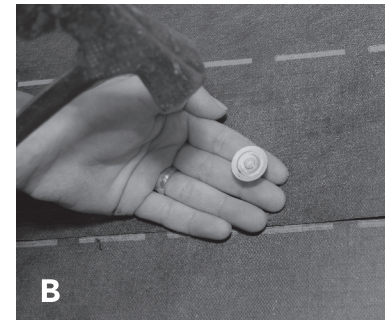
INSTALLATION INSTRUCTIONS

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 any installation of roof underlayment begins.

Installation Of Roof Underlayment

- 1. DELTA[®]-ROOF is installed as a sheathing membrane, horizontally (parallel to the eaves), starting at the eaves. The printed side must be facing up. The membrane can be run left to right, and right to left along the roof plane. On roof slopes 4:12 or greater, DELTA[®]-ROOF should be installed with minimum 4" side (horizontal) laps (line is marked on the membrane for ease of installation), and minimum 6" end (vertical) laps (see detail A).
- 2. On roof slopes between 2:12 and 4:12, DELTA[®]-ROOF should be installed with minimum 6" side laps (run top sheet along top of letters on lower sheet), and minimum 8" end laps.
- 3. DELTA[®]-ROOF should be fastened to the roof deck with minimum 1" length nails or staples, with a minimum 1" diameter plastic or metal cap (see detail B). In all typical wind areas, fasteners should be installed at 12" on center along sides and end laps. In high wind and coastal areas, fasteners should be installed at 6" on center along sides and end laps. Cap nails and staples can be either pneumatically or hand fastened.
- 4. As best practice for an installation with entirely concealed fasteners and highest wind resistance, it is recommended to fasten only the top of the membrane, followed by adhering and sealing all side/end laps with DELTA[®]-THAN (permanent elastic sealing compound). DELTA[®]-THAN is to be applied as a 3/16" continuous bead along entire side/end laps. The continuous bead should be placed roughly 1/2" underneath the overlap (see detail C). There is no approved alternative to DELTA[®]-THAN.
- 5. DELTA[®]-ROOF should be installed over the drip edge at all eaves, and under the drip edge at all rake edges (this may change with various roof applications).
- 6. DELTA[®]-ROOF should extend at least 6" 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).



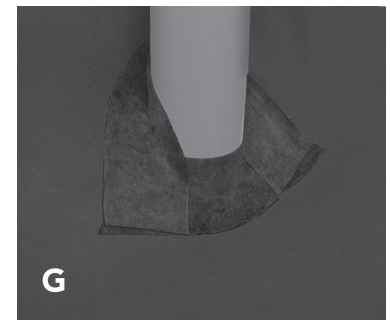
DELTA® protects property. Saves energy. Creates comfort.

- 7. DELTA®-ROOF should be “X-cut” to fit over smaller protrusions such as plumbing vent stacks, and then fastened/sealed 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®-ROOF. Although the product has extremely high UV-resistance, DELTA®-ROOF is not designed as a “permanent” roof covering. Installation of the actual roof cladding should take place within 4 months after the installation of the underlayment, if possible sooner.
- 9. As the DELTA®-ROOF has superior strength and skid resistance, roofing materials can be loaded directly onto the underlayment.
- 10. Any rips, tears, or holes in the membrane less than 2” in diameter should be patched with DELTA®-MULTI-BAND or DELTA®-FLEXX-BAND, centered over the tear. Any rips, tears, or holes larger than 2” in diameter should be patched with DELTA®-ROOF, cut at least 6” larger in diameter than the tear. Center the patch over the tear, and fasten with DELTA®-THAN.
- 11. 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®-ROOF meets or exceeds the requirements of ICC-ES AC188, AC48, and other building code requirements. Code approvals are listed with Quality Auditing Institute at www.qai.org. For further details visit us at DELTA-ROOF.com.



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