

DELTA® protects property. Saves energy. Creates comfort.

## DELTA®-TRELA 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.

■ Where required by local building codes, a separate ice dam membrane must be applied along the eaves and valleys prior to the installation of DELTA®-TRELA. Always refer to the ice dam membrane manufacturer's recommended installation methods for proper application.

### Installation of Roof Underlayment

■ 1. Install DELTA®-TRELA in horizontal runs (i.e. parallel to eaves) with the dimple texturing facing upward and the 4" (10 cm) edge margin positioned on the side closer to the ridge (see detail 1). When fastening in the field area, use wide-head nails with rubber seals to fix the sheet (included with roll).

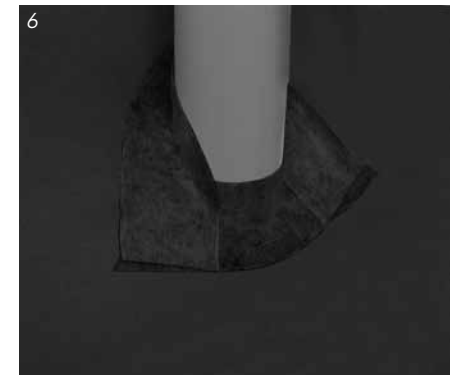
■ 2. Install the next roll so that it overlaps over the edge margin of the roll immediately below, ensuring safe water lead-off to the gutter (see detail 2). When fastening in the overlap areas, standard 1 1/2" roofing nails may be used.

Standard-sized fixing clips and nails can be used to fix the cladding panels due to the high compressibility of the dimpled air-gap mat.

■ 3. At the end of the roll, peel and cut off a 4" (10 cm) wide strip of the air-gap mat to permit overlap at the end of the neighbouring roll (see detail 3). Use the same procedure for connections to valleys, dormer windows etc. The non-directional dimple texturing of DELTA®-TRELA allows installation at any angle (i.e. not only parallel to eaves) when required (e.g. at structural details). On transition areas not requiring an air-gap layer, use DELTA®-VENT S for full compatibility.

■ 4. Extend DELTA®-TRELA (or DELTA®-VENT S, if airgap layer not required) at least 6" (15 cm) up on sides of chimneys, vertical walls, etc. To ensure a secure and watertight seal, fasten the underlayment to the surface with DELTA®-THAN or DELTA®-MULTI-BAND (see detail 4, 5).

■ 5. "X-cut" DELTA®-TRELA 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 6).



- 6. Installation of the roof cladding can proceed immediately after the installation of DELTA®-TRELA. Although the product has extremely high UV-resistance, DELTA®-TRELA is not designed to be a permanently exposed final roof covering. Installation of the actual roof cladding must take place within 3 months after the installation of the underlayment or, if possible, sooner. **Do not expose DELTA®-TRELA to standing water or snow for prolonged period. If prolonged periods of exposure are anticipated, DELTA®-TRELA must be covered with a tarp or other protection until it is covered by the final roofing material.**
  
- 7. 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®-VENT S or DELTA®-TRELA, cut at least 6" (15 cm) larger in diameter than the tear. Center the patch over the tear and adhere with DELTA®-THAN.
  
- 8. 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).

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