

Providing THE SYSTEM THAT MATTERS

AUGUST 2008



BRANZ Appraised
Appraisal No. 614 [2008]



The **Thermakraft** WINDOW SEALING SYSTEM



The Window Sealing Tape



The Corner Moulded Piece



... with the Aluband Tool



Thermakraft Industries (NZ) Ltd

NCT • New Composite Technology

THE SYSTEM • THE METHOD Installation Guide

- 1 Cut the building wrap/air barrier at 45° away from each corner (*left pic*), fold flaps tightly into the window or door opening and fix with staples on the back faces of the framing (*right pic*).

Trim excess building wrap/air barrier to enable unimpeded access to the opening.



- 2 Fix the **Thermakraft ALUBAND™ Corner Moulded Piece™** (orange in colour) to the sill corners by way of staples or clouts to the two jambs as shown. The flexibility of the corner piece allows for a 5° chamfer (slope) on the timber sill where it is required for direct fix cladding. Now install the **Thermakraft ALUBAND™/ALUMINIUM Window Sealing Tape** as in step 3. 150mm wide tape is used for 100mm wide window or door framing. 200mm wide tape is used for 140mm to 150mm wide reveals. With steel framed houses use Double Sided Tape to attach **Thermakraft ALUBAND™ Corner Moulded Piece™** to metal cladding.

Do not fix through the logo on the **Thermakraft ALUBAND™ Corner Moulded Piece™**

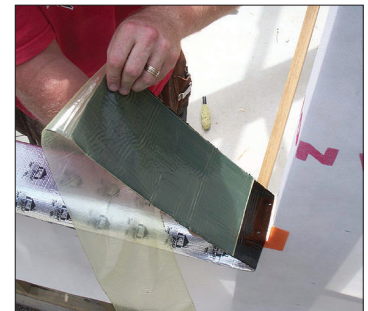


- 3 Measure 200mm up both jambs (*left pic*), add 400mm to the length of the window sill and cut the **Thermakraft ALUBAND™/ALUMINIUM Window Sealing Tape** to suit that measurement (*right pic*).



- 4 Remove first the polyethylene protective film from the **Thermakraft ALUBAND™/ALUMINIUM Window Sealing Tape**; align the back edge of the **Thermakraft ALUBAND™/ALUMINIUM Window Sealing Tape** with the inside edge of sill.

Do not lay **Thermakraft ALUBAND™/ALUMINIUM Window Sealing Tape** onto the interior surface of framing where it may interfere with wall linings.

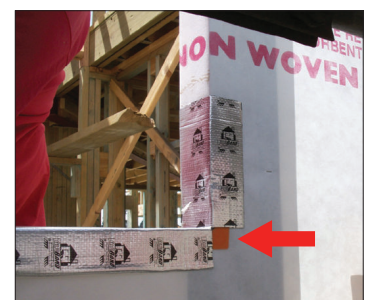


- 5 Using the **Thermakraft ALUBAND™ Tool**, firmly press the **Thermakraft ALUBAND™/ALUMINIUM Window Sealing Tape** onto the building wrap/air barrier to ensure good adhesion. Using the **Thermakraft ALUBAND™ Tool**, ensure that the tape is fitted tightly into the jamb to sill corners.



- 6 At the sill/jamb corners cut the **Thermakraft ALUBAND™/ALUMINIUM Window Sealing Tape** from the external edge of the frame outwards. Fold flaps back onto the building wrap/air barrier and press tape firmly for good adhesion.

The **Thermakraft ALUBAND™ Corner Moulded Piece™** is nearly all covered except for the logo showing on the outer bottom edge.



THE SYSTEM • THE METHOD Continued

- 7** Proceed to fix the **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** to the top corners of the frame (200mm across lintel x 200mm down jamb). Remove first the backing film from the **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape**; align the back edge of the **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** with inside edge of lintel. Using the **Thermakraft ALUBAND Tool**, ensure that the tape is fitted tightly into the corners. Cut the **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** from the external edge of the frame outwards. Fold flaps back onto the building wrap/air barrier and press tape firmly for good adhesion.



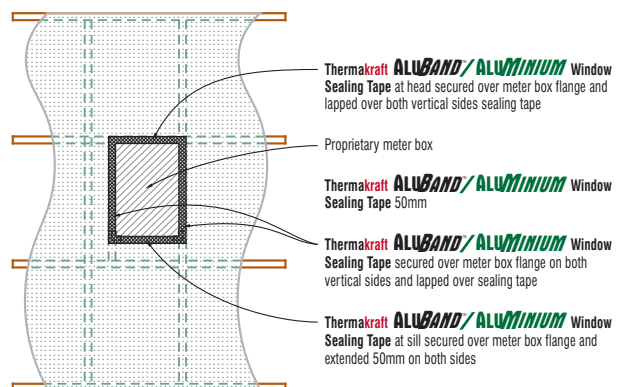
- 8** For the window or door lintel to jamb junction, apply a Butterfly using the 50mm wide x 100mm long **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape**, and fix at a 45° angle to the jamb with an overlap at the corner of 3mm (as per photo on right).

The **Thermakraft ALUBAND/ALUMINIUM Window Sealing System** is now complete (as per this photo alongside).

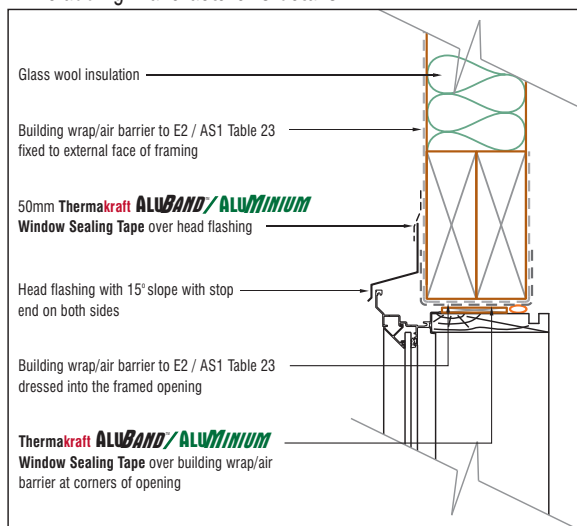


- 9** Meter boxes with built-in flanges, to be taped with 50mm **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** along each flange to the building wrap/air barrier.

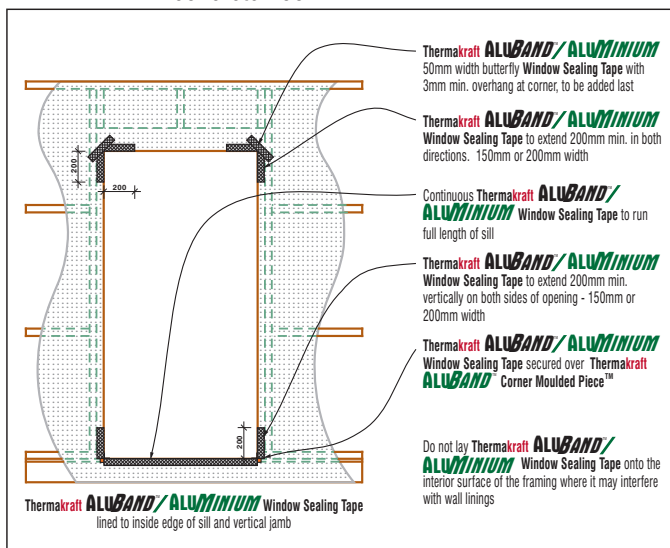
Frame openings for meter boxes without built-in flanges to be treated as for window openings. Refer steps 1-8.



- 10** 50mm **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** is used to seal the up stand of the window head flashing to the building wrap/air barrier. Refer to the cladding manufacturer's details.



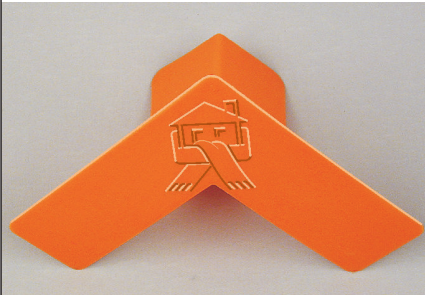
- 11** Door frames are to be treated similarly to window openings. The sill may be either a timber or a concrete floor.



Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape is a polymeric faced high quality bituminous modified self adhesive tape with a polyethylene release backing and comes in 150mm wide, 200mm wide, 75mm wide & 50mm wide tapes.



The **Thermakraft ALUBAND Corner Moulded Piece™** is made from inert orange PE that is used in conjunction with the **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** & building wraps, as part of the secondary drainage plane reqd to prevent the ingress of moisture into the framing.



A special **Thermakraft ALUBAND Tool** (green) is used to ensure proper adhesion and a tight fit into corners.



Applications

The **Thermakraft ALUBAND/ALUMINIUM Window Sealing System** is designed to work with all kraft-based building papers that meet the requirements of Table 23 of E2/AS1, and the following synthetic wall underlays: Cover-Up, Diflex 130, Watertight, Tekton, Tyvek Home Wrap and Frameguard G3.

Thermakraft ALUBAND/ALUMINIUM Window Sealing System (the System) is specially designed to provide a sure and lasting moisture proof seal at window and door openings.

Thermakraft ALUBAND/ALUMINIUM Window Sealing System is ideal for sealing head flashings to the building wrap/air barrier as well as around meter boxes with built-in sealed flanges.

The system provides a moisture barrier at the most vulnerable point at the sill/jamb and jamb/lintel intersection.

DOOR FRAMES TO BE TREATED EXACTLY THE SAME AS THE WINDOW FRAME (refer to Step 11 inside).

Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape can be used on the following timber treatments: CCA, Boron & LOSP*.

*If **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** is used in conjunction with LOSP treated timber, the solvent must be allowed to flash off before installation. This can be tested by applying a small strip (approx 100mm x 50mm) to the treated timber for one hour. If the tape does not stick well, then the timber must be allowed to flash off for more time.

The **Thermakraft ALUBAND/ALUMINIUM Window Sealing System** must not be exposed to weather for more than 90 days.

The **Thermakraft ALUBAND Corner Moulded Piece™** is designed to prevent the ingress of moisture at both the left and right hand window jamb to sill junctions. It is easy to install on timber framing using either staples or clouts fixed into the jambs.

The **Thermakraft ALUBAND Corner Moulded Piece™** is flexible allowing for use on sills with a 5° chamfer, required for direct fix cladding systems.

When using **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** for jamb/lintel intersections, please ensure a butterfly (100mm x 50mm wide tape) is fixed at 45° angle to the jamb (refer to Step 8 inside).

Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape 50mm to be adhered to the head flashing (refer to Step 10 inside).

Appraised

Thermakraft ALUBAND/ALUMINIUM Window Sealing System has been appraised in New Zealand by BRANZ, Appraisal No. 614 [2008] - appraisal available on request.

Standard Roll Dimensions

Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape is available in the following sizes:

Roll Width	Roll Length	No. per carton
200mm	25.0m	2 rolls
150mm	25.0m	4 rolls
150mm	10.0m	12 rolls
75mm	25.0m	8 rolls
50mm	25.0m	12 rolls

House Pack

3 x 150mm x 25m rolls / 3 x 50mm x 10m rolls / 50 x **Thermakraft ALUBAND Corner Moulded Pieces™** / 1 x **Thermakraft ALUBAND Tool** / 1 x Data Sheet.

The **Thermakraft ALUBAND/ALUMINIUM Window Sealing System** is expected to have a serviceable life equal to that of the cladding, when installed in accordance with this data sheet and the technical literature, provided it is not exposed to the weather or ultra-violet (UV) for a total of more than 90 days, or damaged on installation.

Thermakraft ALUBAND/ALUMINIUM Window Sealing System when used with wall wraps listed in this data sheet and in accordance with this data sheet, will meet the Performance **B2.3.1 (b) 15 years** of the New Zealand Building Code.

The **Thermakraft ALUBAND/ALUMINIUM Window Sealing Tape** must not be installed at temperatures of less than 10°C.

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