



Ultra-Bond Sill Tape

CONTENTS

| | |
|--------------------------------|---|
| SUMMARY OF FEATURES | 2 |
| TECHNICAL INFORMATION | 2 |
| Product Description | 2 |
| Applications | 2 |
| Appraisals | 3 |
| Product Information | 3 |
| Handling & Storage | 3 |
| Technical Data | 3 |
| Installation Information | 4 |
| Application Instructions | 5 |
| Size Range Available | 6 |



SUMMARY OF FEATURES

- Butyl based.
- Suitable for use with all synthetic underlays and rigid air barriers.
- Convenient one-step system (split release liner).
- Suitable for application in temperatures from 5°C.
- Can be applied to wet surfaces.
- Superior adhesion to OSB, plywood, aluminium, vinyl and weather resistive barriers and un-primed concrete.
- Flexible and tear resistant – moulds effectively around corners or over fasteners.
- Self seals around holes made by nails or fasteners.
- Bonds stronger over time.

TECHNICAL INFORMATION

Product Description

Fastwrap Ultra-Bond Sill Tape is a self-adhered, waterproofing flashing membrane designed to protect windows, doors and through-wall penetrations from moisture infiltration.

It is composed of a 23 mil butyl, laminated onto a coated woven facer. All rolls have a split poly release liner.

Applications

The system is installed into and around the framed joinery opening, over the wall underlay and exposed frame, to cover both the face and edge of the opening framing.

It is also used at joinery heads to seal flashing upstands to the wall underlay.

Fastwrap Ultra-Bond Sill Tape has been appraised as a flexible flashing system for use around window and door joinery openings for buildings within the following scope:

- Constructed with timber framing in accordance with the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; or,
- Constructed with steel framing subject to specific engineering design with building height and floor plan area scope limitations in accordance with NZBC Acceptable Solution E2/AS1; and,
- With a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and,
- With wall cladding systems complying with NZBC Acceptable Solution E2/AS1 or a valid BRANZ Appraisal that specifies a flexible flashing system; and,
- With flexible wall underlays compatible with the flashing tape and complying with the NZBC; and,
- Situated in NZS 3604: 2011 Wind Zones up to, and including, Extra High. In the Extra High Wind Zone, the flexible underlay must be installed over a rigid underlay complying with NZBC Acceptable Solution E2/AS1, Table 23.



Appraisals

BRANZ Appraisal No.853 [2014].

Product Information

- Fastwrap Ultra-Bond Sill Tape is designed to prevent air leakage and water penetration around window and door openings at framing junctions (eg at the sill trimmer and opening stud junction), and to keep any water that gets past the cladding, or through the joinery, from direct contact with the framing timber.
- The use of flexible flashing systems around window and door joinery openings is critical to assist the overall weathertightness performance of window and door joinery installations.
- Fastwrap Ultra-Bond Sill Tape is not designed to overcome poor detailing and workmanship of the window or door joinery installation. The system must not be considered in isolation, but be considered as part of the wall cladding system. It is designed to be used in conjunction with air seals and joinery flashing systems, not as a substitute.
- Provided it is not exposed to the weather or ultra-violet light for a total of more than 42 days, and provided the exterior cladding is maintained in accordance with the cladding manufacturer's instructions and the cladding remains weather resistant, Fastwrap Ultra-Bond Sill Tape is expected to have a serviceable life equal to that of the cladding.

Handling & Storage

Fastwrap Ultra-Bond Sill Tape must be protected from damage and weather. Rolls must be stored under cover, in clean, dry conditions away from direct exposure to sunlight.

Shelf life: Over one year stored under normal storage conditions. For maximum shelf life, store products at or below 26 C°

Technical Data

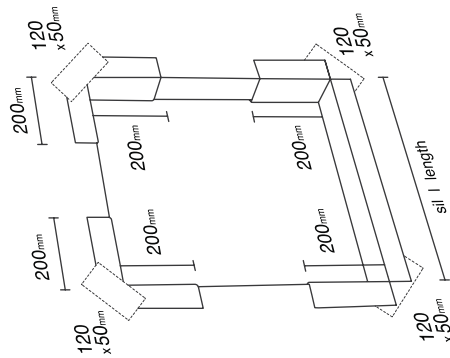
- Fastwrap Ultra-Bond Sill Tape has been assessed against the requirements of AC148:2001 which is an alternative solution to the version of AC148 referenced by NZBC Acceptable Solution E2/AS1 Paragraph 9.1.5(b).
- The installation method for Fastwrap Ultra-Bond Sill Tape is an alternative solution to the installation method shown within NZBC Acceptable Solution E2/AS1, Figures 72A and 72B.
- Where a cladding manufacturer specifies the use of generic flashing tapes around window and door joinery opening at framing junctions as part of their system, or they specify the use of flexible flashing tapes that comply with NZBC E2/AS1, Paragraph 9.1.5(b), Fastwrap Ultra-Bond Sill Tape may be used.
- Testing of Fastwrap Ultra-Bond Sill Tape has been completed by BRANZ to the requirements of ICC Evaluation Service Acceptance Criteria for Flashing Materials AC148:2001. The adhesion of Fastwrap Ultra-Bond Sill Tape to black bituminous Kraft building paper complying with the requirements of NZBC Acceptable Solution E2/AS1, Table 23 and selected other synthetic wall underlays has been tested and found to be satisfactory.

Installation Information

- Installation of Fastwrap Ultra-Bond Sill Tape must be completed by tradespersons with an understanding of flexible flashing tape systems, in accordance with the instructions outlined here and in the BRANZ appraisal.
- The selected wall underlay must be installed in accordance with the manufacturer's instructions, and must completely cover the joinery opening. The underlay is then cut on a 45° angle away from each corner of the opening so the flaps can be folded into the opening and secured to the interior face of the timber framing.
- Before the Fastwrap Ultra-Bond Sill Tape is applied, the substrate surfaces must be clean, dry and free from any surface contaminants such as dust and grease or frost that may cause loss of adhesion. For best results, remove protective coatings that may be present on metals and plastics.
- A length of Fastwrap Ultra-Bond Sill Tape must be cut to the length of the sill plus 400mm. The tape is installed flush with the interior face of the opening and is applied along the entire length of the sill and 200mm up each jamb. The overhanging tape is cut at the corner of the opening to allow the tape to be folded onto the face of the building underlay. A spatula or similar must be used to ensure that adequate adhesion of the tape is achieved and that the tape is installed tight into the sill/jamb junction.
- A 400mm length of Fastwrap Ultra-Bond Sill Tape must be installed 200mm down the jamb and 200mm along the lintel at each of the top corners of the window or door joinery opening.
- A 50mm wide x 120mm long sealing tape 'butterfly' must be installed at 45° across the corner of the head/jamb and sill/jamb junctions overlapping the corner by 3mm to create a seal at the corner junction.
- Fastwrap Ultra-Bond Sill Tape must not be stretched. To avoid wastage, the tape can be lapped 100mm minimum onto itself without reducing the performance of the Fastwrap Ultra-Bond Sill Tape System.
- If the Fastwrap Ultra-Bond Sill Tape is exposed to the weather or UV light for more than 42 days, then it must be replaced.
- When Fastwrap Ultra-Bond Sill Tape is used in conjunction with LOSP (light organic solvent preservative) treated timber, the solvent from the timber treatment must be allowed to evaporate (generally at least one week) prior to the installation of the system.
- Separation or protection must be provided to the Fastwrap Ultra-Bond Sill Tape from heat sources such as fire places, heating appliances, flues and chimneys. Part 7 of NZBC Acceptable Solutions C/AS1 – C/AS6 and NZBC Verification Method C/VM1 provide methods for separation and protection of combustible materials from heat sources.

Application Instructions

| | | | | | | | |
|---|---|--|---|---|---|--|---|
| <p>01 Selecting tape width</p> | <p>02 Cut wall underlay & mark-up</p> | <p>03 Apply diagonal tape to sill corners</p> | <p>04 Apply tape to sill</p> | <p>05 Complete application</p> | <p>06 Cut the corners</p> | <p>07 Apply tape to lintel corners</p> | <p>08 Apply diagonal tape to lintel corners</p> |
| <p>Select a tape width that allows for a minimum 50mm overlap on the external wall (i.e. sill width plus 50mm).</p> | <p>Cut the wall underlay at a 45° angle away from each corner. Staple underlay neatly to the back face of the opening. Firm surplus underlay. Measure 200mm up both jambs from the sill and mark.</p> | <p>Cut a length of tape measuring 120mm x 50mm. Peel back the backing film and apply across each sill corner as shown, overlapping the internal point by 3mm. Mould the overlapping area into the corner. Repeat with the other sill corner.</p> | <p>Cut the tape to the required length (sill length plus 400mm). Peel back the backing film to expose approximately 50mm of the tape. Starting from the mark on the jamb, use a spatula to press the tape firmly onto the underlay, working down toward the corner. Use the spatula to press the tape firmly into the corner.</p> | <p>Continue across the sill and repeat the process for the other side, removing the remaining backing film as you work.</p> | <p>At each corner cut the tape from the external edge, finishing 3mm from the edge of the frame. DO NOT cut right to the edge. Fold back along each face and finish with the spatula, including the 3mm overlap around the corner.</p> | <p>Cut a length of tape measuring 400mm. Apply to the lintel corner using a spatula to press the tape firmly into the corner. Cut the tape at the corner as per step 06. Repeat the process for the other lintel corner.</p> | <p>Cut a 120mm x 50mm strip of tape and apply across each sill corner as shown, overlapping the internal point by 3mm. Mould the overlapping area into the corner. Repeat with the other lintel corner.</p> |





Ultra-Bond Sill Tape

Size Range Available

| Product Code | Width (mm) | Length (m) | Barcode |
|--------------|------------|------------|---------------|
| WST20025 | 200 | 25 | 9421026721679 |
| WST15025 | 150 | 25 | 9421026721686 |
| WST7525 | 75 | 25 | 9421026721709 |
| WST5025 | 50 | 25 | 9421026721693 |