

TRADE-SILL 75 TRADE-SILL 150 TRADE-SILL 200 TRADE-SILL 250

PRODUCT DESCRIPTION

TRADE-SILL - has been developed as a secondary water ingress protection system for 100mm, 150mm & 200mm (nominal) deep window and door openings in timber and steel framed buildings.

TRADE-SILL - is also used at joinery heads to seal flashing upstands to the wall underlay and to tape the joints on Rigid Air Barriers systems.

TRADE –SILL is a self adhering membrane composed of a tough cross laminated high density Polyethylene surface coated on one side with a layer of recycled butyl hybrid adhesive. **TRADE-SILL** must not be considered as a primary flashing.

TRADE-SILL is covered on the underside by a paper backing and the upper face by white polyethylene sheeting. The tape is 0.5mm thick and is supplied in rolls, 75mm, 150mm, 200mm & 250mm wide by 25m long. Also 150mm wide by 10m long.

FEATURES AND BENEFITS

- **TRADE-SILL** is a one component secondary flashing system.
- **BRANZ Appraised** as a flexible flashing system on Timber and Steel framing.
- **TRADE-SILL** can be used on all accepted wall underlays including bituminous paper.
- Requires no adhesives to hold in place on wall underlay.
- **TRADE-SILL** can be left exposed to Weather and UV for up to **90 days**.

- The tape can be overlapped by 100mm to join to another roll . There is no wastage.
- Meets the requirements of the New Zealand Building Code (NZBC) Acceptable Solution E2/AS1, paragraph 9.1.5(b).

STORAGE

Store all materials in a dry place at temperatures between 10° C and 32° C. Do not store in direct sunlight.

DURABILITY

Provided it is not exposed to the weather or ultra-violet light for more than 90 days **TRADE-SILL** will be durable and serviceable for at least 15 years (compatible with that of the joinery).

SAFETY PRECAUTIONS

Material safety data sheets are available on www.mwnz.com.

SHELF LIFE

The product has a recommended shelf life of two years from date of manufacture.

SURFACE PREPARATION

- All surfaces to receive the tape must be clean, dry and free of any dust or sharp protrusions.
- When **TRADE-SILL** is used in conjunction with LOSP treated timber, the solvent must be allowed to evaporate (generally one week) prior to installation of the tape.
- Do not install the tape if the temperature is below 5 degrees centigrade.
- In cooler conditions warm the tape before applying

It is recommended that Protecto Tak Adhesive is used in extreme conditions and on other surfaces like RAB & Concrete to enhance adhesion.

INSTALLATION over WALL UNDERLAY

SILL AREA

Ensure the wall underlay is clean and dry, correctly placed and fixed tightly onto the framing.

- Measure and mark 150mm up from the bottom corners of the opening.
- Measure the sill length.
- Measure and cut a length of **TRADE-SILL** 300mm longer than the sill length.

- Roll up the cut length with the white upper face to the inside of the roll. Peel back 50 mm of the backing paper to expose the black adhesive.
 - Align the TRADE-SILL with the 150mm mark and flush with the inside edge of the opening. Apply the tape down the frame and into the corner.
 - When the sill jamb junction is reached ensure the tape is pressed firmly into the corner.
 - Continue removing the backing paper and sticking the TRADE-SILL across the length of the sill, tightly into the opposite corner and up the other jamb. Keep the tape flush with the inside edge of the opening and the overhang to the outside of the framing.
 - At the corner and starting at the front edge of the tape overhang, carefully cut the tape back towards the framing stopping 3mm from the opening corner.
 - Fold the overhang onto the face of the framing and smooth firmly into place.
 - Cut two 50mm by 150mm or 200mm strips of TRADE-SILL, remove the backing paper. Adhere diagonally across each corner, overlapping the corner by 3mm to create a seal at the corner junction.
- Press the overlap tightly into the corner to form a tight bond between the tapes.**

TOP CORNERS

- Cut 2 x 300mm lengths of TRADE-SILL.
- Remove the backing paper and fold the tape in half, keeping the adhesive side of the membrane to the outside of the fold.
- Position the tape into the corner, flush with the inside edge of the framed opening.
- Adhere the tape down the inside of the opening. Press the tape firmly into the corner junction then continue across the top of the opening.
- At the corner and starting at the front edge of the tape overhang, carefully cut the tape back towards the framing stopping approximately 3mm from the opening corner.
- Fold the overhang onto the face of the framing and smooth firmly into place.

- Cut two 50mm by 150mm or 200mm strips of tape, remove the backing paper. Adhere diagonally across each corner, overlapping the corner by 3mm to create a seal at the corner junction.
- Press the overlap tightly into the corner to form a tight bond between the tapes.**

Smooth all tape firmly into place to maximize adhesion.

SILL INSTALLATION over RAB

Ensure the surfaces are clean and dry and the board is fixed to the manufacturers specifications. With RAB board it is recommended that Protecto Tak/#100 Primer Adhesive is used to enhance adhesion.

Where wall underlay has been fitted under the RAB and fixed into the opening install TRADE-SILL tape using the same procedure as detailed for over Wall underlay.

WHERE NO WALL UNDERLAY IS USED UNDER RAB

Tape must be installed completely around all sides of the framed opening.

- Mark a line 100mm higher than halfway up the jamb.
- Cut a length of TRADE-SILL equal to the length of the Sill + 200mm longer than the jamb length.

This should allow sufficient tape to overlap the tape 100mm at the join.

- Spray a light film of Protecto Tak onto all surfaces that will receive the tape.
- Roll up a cut length of tape with the white upper face to the inside of the roll. Peel back 50 mm of the backing paper to expose the black adhesive.
- Align the TRADE-SILL with the mark and flush with the inside edge of the opening. Apply the tape down the frame and into the corner.
- When the sill jamb junction is reached ensure the tape is pressed firmly into the corner.

- Continue removing the backing paper and sticking the TRADE-SILL across the length of the sill, tightly into the opposite corner and up the other jamb. Keep the tape flush with the inside edge of the opening and the overhang to the outside of the framing.
- At each corner of the tape overhang and starting at the front edge of the tape carefully cut the tape back towards the framing stopping approximately 3mm from the RAB.
- Fold the overhang onto the face of the RAB and smooth firmly into place.
- Cut two 50mm by 150mm or 200mm strips of tape, remove the backing paper. Adhere diagonally across each corner, overlapping the corner by 3mm to create a seal at the corner junction.

To complete the installation across the top of the opening

- Cut a length of TRADE-SILL equal to the length of the head + the length of the jamb.

This should allow sufficient tape to overlap 100mm at the join.

- Mark a line 100mm down from the finished edge of the installed TRADE-SILL tape.
- Roll up the cut length of tape with the white upper face to the inside of the roll. Peel back 50 mm of the backing paper to expose the black adhesive.
- Align the TRADE-SILL with the mark and flush with the inside edge of the opening. Apply the tape up the frame and into the corner.
- When the head jamb junction is reached ensure the tape is pressed firmly into the corner.
- Continue removing the backing paper and sticking the TRADE-SILL across the length of the head, tightly into the opposite corner and down the other jamb. Keep the tape flush with the inside edge of the opening and the overhang to the outside of the framing.

- At each corner of the tape overhang and starting at the front edge of the tape carefully cut the tape back towards the framing stopping approximately 3mm from the RAB.
- Fold the overhang onto the face of the RAB and smooth firmly into place.
- Cut two 50mm by 150mm or 200mm strips of tape, remove the backing paper. Adhere diagonally across each corner, overlapping the corner by 3mm to create a seal at the corner junction.

Smooth all tape firmly into place to maximize adhesion.

HEAD FLASHING - TRADE-SILL 75mm

For the taping of head flashings use TRADE-SILL 75mm Flashing Tape.

To fit the head flashing do not cut the wall underlay but fix the head flashing directly over the top of the wall underlay.

- Cut a length of TRADE-SILL 75mm Flashing Tape 100mm longer than the head flashing.
- Begin applying the Flashing Tape 75mm from the end of the installed head flashing. Apply the tape so that it adheres 40mm onto the head flashing and 35mm onto the wall underlay.

The Flashing Tape should run past each end of the head flashing by 50mm.

Smooth the tape firmly into place to enhance adhesion.

RAB JOINT SEALING – TRADE-SILL 75

RAB must be installed to manufacturers Specifications. Ensure all surfaces are clean and dry.

- Apply Protecto Tak or Protecto Wrap #100 Primer to surfaces to receive Tape.



are considered as
incompatible as

long-term isolation of the materials is not guaranteed.

In order to ensure a long-term seal that will meet NZBC requirements an impervious aluminium tape Danko TD830 has to be applied to the sill Tapes to provide a barrier between the tapes and the Bostik Seal n Flex1.

REPAIRS

TRADE-SILL can be repaired by covering with a second piece of tape that extends 50mm beyond the damaged area. Ensure the tape surface is clean and dry before overlaying.

Should air become trapped behind the membrane at any stage of the installation, roll the trapped air to the outside of the tape.

WARRANTY

The materials used in TRADE-SILL are warranted to be free of defects in manufacture for a period of 15 years. This warranty is limited to the replacement of the product only.

Allow primer to tak off before applying tape.

- Cut a length of Trade-Sill 75 and apply evenly over RAB joint.
- Smooth all tape firmly into place to enhance adhesion.

NOTE:

The membrane used in the making of TRADE-SILL is not UV stable and must be covered within 90 days of installation. If the tape is left exposed for longer than this, it must be replaced or a second layer of tape installed over the top.

The membrane may discolour some sealants. It is advisable to check with the sealant manufacturer to confirm the suitability of any sealant that could come in contact with the tape.

*The building industry typically uses bitumen containing sill wraps for doors and windows. The NZBC code dictates that a sealant conforming to ISO

11600 Group F Class 25LM is to be used as the window Joint sealant. Sealants that conform to the ISO standard are NOT compatible with bitumen containing sill wraps and degradation of the sealant may occur. Even sill wraps that have a polyethylene protective film

TRADE - SILL Specification