

ONE PIECE SILLTAPE SPECIFICATION TIMBER/STEEL FRAMING

PRODUCT DESCRIPTION

Protecto Wrap One Piece Sill Tape has been developed as a secondary water ingress protection system for 100mm (nominal) deep window and door openings in timber and steel framed buildings. Protecto Wrap One Piece Sill Tape must not be considered as a primary flashing.

- One Piece Sill Tape is a polyethylene faced, modified SBS rubberized asphalt, self adhesive membrane. The tape is covered on the underside by a paper backing and the upper face by white polyethylene sheeting in two parts, printed with Protecto Wrap. The tape is 1.0mm thick and is supplied in rolls 150mm wide and 20m long.
- Protecto Tak Spray is a spray adhesive to be used with Protecto One Piece Sill Tape to assist with adhesion. Protecto Tak Spray has a blue colourant for easy identification.

FEATURES AND BENEFITS

- One Piece Sill Tape is a one component secondary flashing system, with the design of the tape providing superior opening protection.
- Requires no additional componentry.
- The One Piece Sill Tape can be used on all accepted wall underlays including bituminous paper.
- The tape can be overlapped by 100mm to join to lengths to reduce wastage.
- The One Piece Sill Tape has been appraised for use by BRANZ.
- Meets the requirements of the New Zealand Building Code (NZBC) Acceptable Solution E2/AS1, paragraph 9.1.5(b).

SURFACE PREPERATION

All surfaces to receive the tape must be clean, dry and free of any dust or sharp protrusions.

- When One Piece Sill Tape 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°C.
- In cooler conditions warm the tape before applying.

INSTALLATION

PRIMING

Ensure all surfaces are clean and dry. Spray on PROTECTO TAK SPRAY to all surfaces to receive One Piece Sill Tape. The primed surface should be tacky when touched and have a light blue colour. The curing times will vary depending on the temperature. If the surface loses its tack, re-apply the Tak Spray.

SILL AREA

- Measure and mark 150mm up from the LHS bottom corner of the opening. Measure the sill length.
- Measure and cut a length of One Piece Sill Tape 300mm longer than the sill length.
- Roll up the cut length with the branded face to the inside of the roll. Peel back 50 mm of the backing paper to expose the black adhesive.
- Align the Protecto Wrap One Piece Sill tape with the 150mm mark on the jamb and flush with the inside edge of the opening. Apply the tape down the frame and into the corner.

NOTE: The divided side of the tape must face to the outside of the opening.

When the sill jamb junction is reached ensure the tape is pressed firmly into the corner.

- Continue removing the backing paper and sticking the One Piece Sill Tape across the length of the sill and up the other jamb. Keep the tape flush with the inside edge of the opening.
- Fold the upper front piece of the branded flap back into the opening to expose the lower section of the combination tape.
- Starting at one end, remove the release film and fold the flexible membrane around onto the face of the opening. (Do not overstretch the membrane)

NOTE: For ease of installation, adhere the middle and ends of the membrane onto the face of the opening before removing the release film.

- Fold the branded flap forward and cut at the corners.
- Fold the branded flap over the top of the exposed membrane.

TOP CORNERS

After Priming

- Cut a 300mm length of One Piece Sill Tape
- Remove the backing paper and fold the tape in half, keeping the adhesive membrane to the outside of the fold.
- Position the tape into the corner. Adhere the tape down the side, then across the top of the opening. The tape must be pressed firmly into the corner.
- NOTE: The divided side of the tape must face to the outside of the opening.
- Fold the branded flap back into the opening to expose the lower section of the combination tape.
- Remove the release film and fold the flexible membrane onto the face of the opening. (Do not overstretch the membrane)

NOTE: For ease of installation adhere the ends of the membrane onto the face of the opening before removing the release film.

- Fold the branded flap forward and cut at the corners.
- Fold the branded flap over the top of the exposed membrane.

NOTE: When correctly installed to the top corners, the tape should extend 150mm down the jamb and 150mm across the lintel and be folded 50mm approx. out onto the face of the opening.

After installation of the One Piece Sill Tape firmly smooth all tape to ensure maximum adhesion.

HEAD FLASHING

To fit the head flashing do not cut the wall underlay but fix the head flashing directly over the top of the wall underlay. Use either TradeSill 75 with primer or SUPER-STICK 75mm (primer not required)

AFTER PRIMING

- Cut a length of Head Flashing Tape 100mm longer than the head flashing.
- Begin applying the Head Flashing Tape 50mm 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 Head Flashing Tape should run past each end of the head flashing by 50mm.

Smooth the tape firmly into place to enhance adhesion.

- For the taping of head flashings use Protecto Wrap Super-Stick 75mm Tape. No primer required.

STORAGE

Store all materials in a dry place at temperatures between 10°C and 32°C. Do not store in direct sunlight. Do not remove the tape from the carton until ready to use and always replace in the carton for storage.

SHELF LIFE

The product has a shelf life of 2 years from date of manufacture.

SAFETY PRECAUTIONS

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

DURABILITY

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

WARRANTY

The materials used in One Piece Sill Tape are warranted to be free from defects in manufacture for a period of fifteen years. This warranty is limited to the replacement of the products only.

NOTE

The membrane may dis-colour 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 has historically used bitumen / butyl sill tapes for doors and windows. The NZBC code dictates that a sealant conforming to ISO11600 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 tapes and degradation of the sealant may occur. Even sill tapes that have a polyethylene protective film 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.

Marshall Innovations recommend SUPER-STICK Building Tape where wet seals are specified to avoid issues with Plasticiser Migration. Call Marshall Innovations for further information. Ph. 0800 776 9727

