

SUPER-STICK Building Tape SPECIFICATION

PRODUCT DESCRIPTION

Marshall Innovations SUPER-STICK Building Tape® is a high performance window and door flashing tape designed to be installed down to -10 C. It is a flexible flashing tape used around framed joinery openings as a secondary weather resistant barrier. No more issues regarding adhesion in the cool of winter or heat of summer. No additional primers or mechanical fasteners required. SUPER-STICK Building Tape utilizes a high tack pressure sensitive adhesive (PSA) combined with a high performance toughened film. It is a greener & cleaner building tape solution that contains No VOC's, HFC's, nor CFC's. It is non-toxic and non-allergenic.

FEATURES AND BENEFITS

- Can be installed in extremely cold conditions to -10 Deg.C *
- Easy to install peel-and-stick application
- UV resistant for 90 days
- Will not react with sealants & no plasticizer migration. Marshall Innovations recommend checking with sealant manufacturers for suitability.
- Can be used with RAB systems – Plywood, fibre cement sheet
- Split back liner for easy install
- Can be installed in very hot conditions
- Extremely high puncture resistance & Tensile strength
- Residential & Commercial applications
- Very thin & no build up & won't affect cavity battens or window installation
- BRANZ Appraised # 846
- Also forms part of The Marshall Weatherization System BRANZ # 621

***Note:** Protecto SUPER-STICK Tape can be applied in extremely cold weather; however Marshall Innovations do not recommend applying tapes below 0°C due to health and safety reasons.

SUPER-STICK INSTALLATION

100mm Framing Install with 150mm SUPER-STICK

The selected wall underlay must be installed in accordance with the Manufacturer's instructions. It must completely cover the joinery opening. The wrap is cut on a 45° angle away from each corner of the opening and secured to the inside of the opening.

Before SUPER-STICK is applied, all substrates must be clean, dry & free from any surface contaminants such as dust & grease that may affect adhesion. SUPER-STICK is available in 75 mm, 150 mm & 200 mm × 23 metre roll sizes.

- Cut 4 - 75 mm wide by 150 mm long sealing tape 'butterfly' pieces. Apply 2 strips on the bottom corners at a 45 degree angle.
- Overlap the corner by 3 mm to create a seal at the sill/jamb junction.
- Measure and cut a length of SUPER-STICK tape to the length of the sill + 300 mm. The tape is installed flush with interior face of the opening & is applied along the entire length of the sill & 150 mm up the jambs.
- Measure and mark 150mm up the jambs
- Remove 100mm of the release film off the inside back edge of the SUPER-STICK.
- Align this with the 150mm mark up the jamb and flush with the inside edge of the frame.
- Press the tape firmly onto the wrap and apply down the frame into the corner. Ensure the tape is formed tightly into the corner.
- Continue peeling the release film as you move along being careful to keep the tape aligned to the inside edge. Run tape up the opposite jamb 150 mm.
- The overhanging tape is cut at the corners to allow the tape to be folded onto the face of the wall underlay. Peel off the release backing film & fold down & apply to wall underlay face by 50mm & over butterfly tapes.

SUPER-STICK Building Tape

- ***Sill & Nail sealability** – Apply a layer of 75 mm SUPER-STICK over the top of the original flashing tape along the entire length of the sill. Align the tape to the inside face of the sill. This is a BRANZ requirement for horizontal surfaces with SUPER-STICK where water may pool & to ensure nail or staple penetrations self-seal* Alternatively apply a 150 mm by 150 mm square of Super-Stick on top of the original flashing tape on the sill where a nail, screw or staple will penetrate.
- **Jamb/head application** – Cut 2 pieces of SUPER-STICK at 300 mm. The tape is installed 150 mm down the jamb & 150 mm along the lintel at each of the top corners of the window or joinery opening. A 75 mm by 150 mm long sealing butterfly tape must be installed at 45 degrees across the corner of the head/jamb junction overlapping the corner by 3 mm to create a seal at the corner junction.
- 75 mm wide SUPER-STICK is used at joinery heads to seal flashing up stands to the wall underlay. This piece is cut 100 mm longer than the flashing & is to run past each end of the flashing by 50 mm.
- As SUPER-STICK is a pressure sensitive tape, after application ensure all the tape is pressed firmly onto the substrate
- **150 mm Framing Install with 200 mm wide Super Stick**
- Cut 4 strips of 75mm x 200mm Super Stick. Apply 2 butterfly strips at a 45 degree angle to the 2 bottom corners only. Overlap the corner by 3mm to create a seal at the sill/jamb junction.
- Measure the length of the sill and cut a piece of SUPER-STICK 400mm longer than the length of the sill.
- Measure and mark 200mm up the jamb.
- Peel 100mm off the inside release film and apply the SUPER-STICK at the 200mm mark up the jamb. Continue to remove the release film as the SUPER-STICK is applied; ensuring tape is aligned with the inside of the joinery opening and care to ensure SUPER-STICK is formed tightly into the corners at the sill/jamb junction. Continue removing
- Release film as SUPER-STICK is applied along the length of the sill and 200mm up the other jamb. Remove the remaining release film. Cut the SUPER-STICK at the corners away from the frame and the overhanging SUPER-STICK can be folded over the

- face of the wall underlay and over the butterfly tapes at the corners.
- Cut another piece of SUPER-STICK the length of the sill. Overlay this onto the sill only. This is to ensure BRANZ requirements are met for nail, screw & staple sealability.
- Cut 2 pieces of at 400mm SUPER-STICK long. The tape is to be installed 200mm down the jamb & 200mm along the underside of the lintel. The install process is the same as for the sill except the two remaining 230 x 75mm butterfly pieces are applied last over the top at a 45 deg angle across the corner of the head/jamb junction overlapping by 3mm to create a seal at the corner junction.
- SUPER-STICK must not be stretched. When joining 2 sections of tape, the overlap must be 100 mm minimum

Rigid Air Barrier INSTALLATION with no flexible wall underlay

- The Rigid Air Barrier system must be installed in accordance with the manufacturers specifications.
- Tape must be installed continuously around the perimeter of the window / joinery opening.
- Cut 1 - 150 mm wide by 150 mm SUPER-STICK square. Cut this diagonally to form two triangles for the sill only. Remove the backing film & apply the point of the triangle 20mm in from the front face of the Rigid Air Barrier to the sill / jamb junction. Fold the rest of the triangle onto the front face of the air barrier. Repeat to other bottom corner.
- Measure and cut 2 length of SUPER-STICK tape to the length of the sill + 300mm.
- Mark 150mm up the jamb.
- Peel 50mm of the release film away from the SUPER-STICK and align the tape with the 150mm mark to the jamb.

- Continue peeling the release film as you move down the jamb towards the sill / jamb junction. Keep the tape aligned to the inside edge of the sill and forming tight into the corners at the sill and jamb junction. Run tape up opposite jamb 150mm.
- Remove the remaining release film.
- Cut the SUPER-STICK at the corners away from the frame and the overhanging SUPER-STICK can be folded over the air barrier by approximately 50mm.
- ***Sill & Nail sealability** –Apply a layer of 75 mm SUPER-STICK over the top of the original flashing tape along the entire length of the sill. Align the tape to the inside face of the sill. This is a BRANZ requirement for horizontal surfaces with SUPER-STICK where water may pool & to ensure nail & staple penetrations self-seal.* Alternatively apply a 150 mm by 150 mm square of SUPER-STICK on top of the original flashing tape on the sill where a nail or staple will penetrate.
- **Completing Install to Head & Jamb**
- Cut 2 pieces of tape to the length of the jambs. Remove 50mm of the release liner and align with the top of the jamb. Run the tape from the top of the jamb down to the jamb / sill junction. Remove the release film continuing to align with the inside of the frameline as the tape is affixed to the jamb.
- Remove the balance of the release liner and fold the overhanging tape onto the front face of the air barrier.
- Mark 150mm below the lintel onto the jamb.
- Take the 2nd piece of sill tape already cut to the length of the sill + 300mm.
- Remove 50mm of the release liner and align align the SUPER-STICK flush with the inside edge of the jamb on the 150mm mark. Continue peeling the release film as you apply the tape being careful to keep the tape aligned to the inside edge of the jamb as you work towards the jamb / lintel junction. Form the tape tight into the corner of the head and jamb junction. Run tape along the underside of the lintel and down the opposite jamb. The SUPER-STICK will lap the previously installed tape by 150mm.
- Cut the corners of the overhanging tape and fold the tape onto the front face of the air barrier.
- Cut two pieces of tape 150mm x 75mm (butterflies). Install these at 45 degree angle across the head / jamb junction, overlapping the the cormner by 3mm to seal the corner junction.
- 75 mm wide SUPER-STICK is used at joinery heads to seal flashing up stands to the building wrap. This piece is cut 100 mm longer than the flashing & is to run past each end of the flashing by 50 mm.
- 75mm SUPER-STICK can be used to seal vertical sheet joins in RAB systems to prevent moisture ingress. The split liner allows for ease of install to all corners and sheet joins.
- Always ensure all tape is pressed or rolled firmly to achieve adequate adhesion.
- **NOTE IBS RgidRAP must be applied with a roller**

DURABILITY

Provided it is not exposed to the weather or UV light for a total of more than 90 days & provided the exterior cladding is maintained in accordance with the cladding manufacturer's instructions and the cladding remains weather resistant, SUPER-STICK is expected to have a serviceable life equal to that of the cladding.

SUPER-STICK meets NZBC Clause B2 Durability performance B2.3.1 (b) 15 years & Clause E2 External Moisture performance E2.3.2. SUPER-STICK also complies with NZBC E2/AS1 9.1.5 (b)

***Check suitability of all sealants when used over SUPER-STICK with the sealant manufacturer.**

MAINTENANCE

No maintenance is required for SUPER-STICK. However regular checks of the joinery between the joinery & wall cladding have to be made at least annually to check that they remain weather tight.

HANDLING & STORAGE

SUPER-STICK rolls must be stored under cover in clean dry conditions & away from direct exposure to sunlight.

Refer to mwnz.com to view installation videos.