

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 -5 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, HFCC's, nor CFC's. It is non-toxic and non-allergenic.

FEATURES AND BENEFITS

- Can be installed in extremely cold conditions to -5 Deg.C *
- Adheres to damp surfaces
- 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 (2013)
- Also forms part of The Tekton Weatherization System BRANZ # 621 (2013)

***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 & 230 mm x 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.

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- 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 of the opening to allow the tape to be folded onto the face of the wall underlay & butterfly tapes that are already in place. Peel off the release backing film & fold down & apply to wall underlay face & over butterfly tapes.
- ***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 & screw 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 230 mm wide Super Stick**
Cut 4 strips of 75mm x 230mm 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
- **RAB INSTALLATION with no flexible wall underlay**
- **Tape must be installed continuously around the perimeter of the window / joinery opening.**
- The RAB system must be installed in accordance with the Manufacturer's specifications.
- Before SUPER-STICK is applied, all substrates must be clean & free from any surface contaminants such as dust & grease that may affect adhesion.
- 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 3mm to create a seal at the sill/jamb junction.

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- Mark a line on the jamb 100mm above the midpoint between the sill and head.
- Measure and cut a length of SUPER-STICK tape to the length of the sill & jamb + 200mm *this will ensure sufficient lap of 100mm half way up the jamb.*
- The tape is installed flush with interior face of the opening & is applied along the entire length of the sill & 100mm above the midpoint up each jamb.
- Start by peeling 100 mm of the wider inside release film back & starting on the marked line 100mm above midpoint of the window/door jamb. Continue peeling the release film as you move along being careful to 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 100 mm above the halfway point up the opposite jamb.
- The overhanging tape is cut at the corners of the opening to allow the tape to be folded onto the face of the RAB & over the butterfly tapes that are already in place.
- ***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 & screw 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.
- **Completing Install to Head & Jamb**
- Cut a length of SUPER-STICK to the length of the head + the length of a jamb. This will allow for a 100mm lap halfway up either jamb.
- Mark a line 100mm below where the SUPER-STICK terminates up either jamb.
- Start by peeling 100 mm of the wider inside release film back & starting on the marked line align the SUPER-STICK flush with the inside edge of the jamb. Continue peeling the release film as you apply the tape being careful to keep the tape aligned to the inside edge of the sill and forming tight into the corners at 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 100mm.
- The overhanging tape is cut at the corners of the opening to allow the tape to be folded onto the face of the RAB.
- The two remaining 75mm x 150mm ‘butterfly’ pieces are 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 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 joints in RAB systems to prevent moisture ingress. The split liner allows for ease of install to all corners and sheet joints. Ensure all tapes are pressed firmly to achieve adequate adhesion

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.