

Installation Guide

Revised 1/2021



Speedymason Peel n' Stick
Patent No. US 10,106,989 B2



Speedymason Brick Lath
Patent No. US 10,106,989 B2



Speedymason Stone Lath
Patent No. US 10,106,989 B2



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SPECIFICATIONS FOR PEEL N' STICK, BRICK LATH AND STONE LATH

1. Speedymason Panel Sizes – Brick Lath and Stone Lath

- A. Stocked Size Flat Panels: W x H: 96" x 16" (10.67 sqft) or 48" x 16" (5.335 sqft). Calculate 5% waste when ordering.
 1. 96" panels are sold by the piece. 48" panels are sold by the box.
 2. Brick Lath 14 pcs. Per box (74.69 sqft.)
 3. Stone Lath 18 pcs. Per box (96.03 sqft.)
- B. Outside Corner Sizes: W x W x H: 4" x 4" x 16". Sold bent at 90 degrees.
 1. Outside corners include 2 reinforcing angle brackets per corner.
 2. Outside corners are sold by the box
 - A. Brick Lath 20 pcs. Per box (26'-8" Lineal Feet)
 - B. Stone Lath 30 pcs. Per box (40'-0" Lineal Feet)
 3. Outside corners are only required for exterior application. Not required for interior use.
 4. Each corner requires 12 screws in reinforced brackets per corner, plus fasteners on each fastening point. Fasteners are not included.

2. Speedymason Panel Sizes – Peel n' Stick

- A. Stocked Size: W X H: 48" x 16" (5.335 sqft). Calculate 5% waste when ordering.
- B. Peel n' Stick is only sold by the box and only come in 48" lengths.
- C. Peel n' Stick 14 pcs. Per box (74.69 sqft.)
- D. Outside corners are not required for interior application.

3. Speedymason Brick Lath and Peel n' Stick Panel: Brick Sizes, Coursing and Brick Matrix

- A. Modular/Norman: 3 bricks and 3 joints = 8" (200mm) Brick Height 2-1/4"
- B. Queen/King: 5 bricks and 5 joints = 16" (400 mm) Brick Height 2-3/4"
- C. Utility/Closure: 4 bricks and 4 joints = 16" (400 mm) Brick Height 3-5/8" (Peel n' Stick Special Order)

4. Brick Thickness – Brick Lath and Peel n' Stick

- A. Brick Lath- 3/8" minimum thickness and 1-1/2" maximum thickness
- B. Peel n' Stick – 3/8" minimum thickness and 5/8" max thickness

5. Stone Thickness – Stone Lath

- A. Speedymason Stone Lath is designed for light weight stone.
- B. Stone must comply with adhered veneer restrictions and must be less than 15 pounds per square foot.

6. Mortar Base for Brick Lath and Stone Lath

- A. Polymer Modified mortar is required for all exterior and interior applications with Speedymason Brick Lath and Stone Lath. See installation instructions

for the difference between interior and exterior application of mortar on brick and stone.

- B. Mortar must meet the requirements of ASTM C 1714 and ASTM C 270 for Type S mortars including ANSI A 118.4 and ACI 530 shear bond standards.
- C. Approved mortars are:
 1. Laticrete MVIS Thin Veneer Mortar (preferred)
 2. Laticrete Masonry Adhesive (preferred)
 3. ProSpec HB Bonding Mortar
 4. Spec Mix Adhered Veneer Polymer Modified Masonry Mortar
 5. Amerimix 480 Premium Polymer Modified Stone Veneer Mortar
 6. Contact Speedymason for approved equals.

7. Fasteners

- A. Fastener length will be determined by the thickness of sheathing and insulation.
- B. Screw fasteners shall be a minimum #6 or #8 shank diameter with a wafer/pancake head.
- C. Nail fasteners shall be ring shanked.
- D. Fasteners must be galvanized, stainless steel or coated for exterior use, and standard fasteners for interior application.

8. Flashing, Drip Edge, and Trim – Exterior Only -

Caulk and Flash around openings and terminations in accordance with code and your architect, or Speedymason detail sheets.

9. Air & Water Barrier – Exterior Only

- A. Speedymason has dimples built into the back side of the panel that act as a watershed over any approved air and water barrier or system in accordance to building code. Speedymason Brick Lath and Stone Lath requires an air/water barrier on the wall system behind the panel.
- B. Speedymason can be installed over approved rainscreens. See Speedymason specifications for details.

9. Control Joints – Exterior Only

- A. Place control joints in accordance with code or called out by the architect, in areas of shifting, or areas where Speedymason cannot be attached to studs. The Speedymason support panel has properties of elongation that will be mastered by the brick, mortar, fasteners, and wall substrate making it a system able to conform to the conditions of typical masonry. Standard control joints are spaced every 15' but confirm spacing with architectural plans before installation and layout.
- B. If control joints are not called out by architect, it is the installers responsibility to place control joints where needed. Refer to local and national building code and BIA guidelines.

ADDITIONAL MATERIALS, TOOLS & EQUIPMENT:

- Screw gun, hammer, drill, or nail gun
- Coated or galvanized screws or nails
- Traditional level or laser level
- Safety glasses
- Extension cords
- Chalk line
- Utility knife
- Circular saw
- Wet or dry saw for cutting brick or stone
- Ladders, scaffold, or jacks (OSHA approved)
- Mortar bag and tip or mortar gun, and whip
- Brush
- Striker
- Water and mixing buckets (five gallon)
- Sawhorse and support planks
- Brick or stone cleaner
- Mortar scoop
- Template for cutting or holding brick
- Heavy duty mixer for mixing mortar
- Cleaning brushes for tools only

ATTENTION FOR PEEL N' STICK APPLICATION:

1. Before installing Peel n' Stick, be sure to qualify the brick you are planning to install, and make sure it sticks to Speedymason Peel n' Stick.
2. Thin masonry or tile must be completely DRY before installing. WET MASONRY WILL NOT STICK.
3. When cutting with a wet saw, use PL500 Landscape Adhesive or SRW Vertical Instant Lock adhesive, to apply wet masonry or use a polymer modified mortar mix.
4. Install tongue and groove on panels with the groove facing down for maximum adhesion. Perform a test on a piece of Peel n' Stick with your brick. Before installation of panels, peel back a small section of Peel n' Stick and push on a brick. Pull off the brick and see if there are dust particles left behind. If there is dust, wipe down back of brick with a dampened rag of rubbing alcohol and dry for 15 minutes before placing brick on Peel n' Stick. DO NOT SOAK BRICK. Please note that some cut bricks appear clean but have a fine layer of dust on them.
5. Customer and distributor are responsible to order the right masonry units that give excellent adhesion.
6. If using wet brick or bricks that do not qualify or have poor adhesion to Peel n' Stick, use Speedymason Brick Lath with a polymer modified mortar or SRW Vertical Lock Adhesive to stick on brick.
7. Bag brick within 24 hours of installation on Peel n' Stick.
8. For approved brick manufacturers that work best with Speedymason see below.

APPROVED THIN BRICK MANUFACTURERS

Speedymason Peel n' Stick does not work with all thin bricks on the market. Bricks must be clean and completely dry before installing. The best bricks to use are extruded thin brick that have a flat back, or a back that has adequate surface area for sticking. To find a list of approved thin bricks, and bricks that do not work with Peel n' Stick, please visit Speedymason.com or follow this QR code for details. Be advised that all thin bricks on the market will work with Speedymason Brick Lath using a polymer modified mortar for adhesion.



Approved Thin Brick Manufacturers

SPEEDYMASON PEEL N' STICK INSTALLATION INSTRUCTIONS:

Install Overview



1. Attach Panel



2. Remove Release Liner



3. Place Brick on Panel



4. Grout Joints



5. Strike Joints



Peel n' Stick
Installation
Instructions

1. Attach Panel

- Ensure wall is flat to properly anchor Peel n' Stick.
- Creating a starter panel. **(See figure 1)** Measure and determine the layout based on starter panel.
- Beginning with starter panel, line up the first row of Peel n' Stick on wall ensuring it is level. Peel n' Stick has an interlocking tongue and groove on the top and bottom of the panel. **(See figure 1)**
- Fasten panels to wall using nails or screws at the fastening points. **(See figure 1)**
- Work from one side of the wall to the other, making sure panels are staggered as you move up the wall, and the butt ends of the panels land on the center of a stud. Fasten panel 16" on center through the fastening points. If panel has flex to it, add screws between studs if necessary. (Note that once the brick is grouted in, all flexibility will go away.)
- Continue adding staggered rows of the full Speedymason panel using the interlocking tongue and grooves until wall is complete.
- When cutting panels to fit:
 - Cut back side of panel with a circular saw using at least a 40-tooth blade.
 - Rip panel with utility knife.
 - Cut out outlets and openings with tin snips or multi-tool.
- Clean back side of brick when necessary, prior to install.

2. Remove Release Liner

3. Place Brick on Panel

- Where corners are required: Always start with the corner brick, or a corner brick at each corner if there are corners at both ends. Install brick adjusting vertical joints for fit or cut brick as required
- Applications that do not require corners: From center line of wall, break first brick on center. Adjust vertical joint to fit area (3/8" to 1/2") to fit wall space. Cut end bricks as needed. Install bricks horizontally, then vertically. Draw a plumb line every few rows to maintain spacing.

4. Grout and Strike Joints

A. Mortar - Field Mix Formulas

Option 1 – 1-part Portland Type 1, 1-part hydrated lime, 2 to 3 parts sand.

Option 2 – 1 80-pound bag of Mortar Mix Type N or S. (Just add water)

- Add additional water to mortar mix, if needed, so that the consistency is that of a milkshake, or so it just drips through the tip of the grout bag.
- Adding too much water will liquefy the mortar mix, not allowing for proper application.
- Fill 4 feet of horizontal joint courses first. After every fourth row, fill vertical joint. This will allow wall to dry evenly. Fill in all voids with damp mortar previously struck from wall.
- Over-fill the joint with mortar. As the mortar dries it shrinks due to water volume loss.
- When mortar becomes thumbprint dry to the touch (like wet beach sand), strike the joint with a slicker or jointer tool to pack the mortar in the joint.
- Struck mortar should be dry enough to fall away clean and tooled to a dull, gritty finish, not wet and shiny.
- Upon initial set, brush excess mortar off of brick or stone face if necessary, with a flat natural bristle brush. Be careful not to drag mortar out of joint or strike too wet.
- Setting time will depend on drying conditions.
- Keep brick as clean as possible. This will reduce the time needed for the cleaning process.

5. Cleaning

- If needed, clean brick between 2-6 days (never exceed 10 days).
- BIA Tech Bulletin #20 offers guidelines in the cleaning of masonry products.
- Do not use acid base cleaners. Please follow the recommended cleaner as per the manufacturer's specifications.

Note: Thin hairline cracks can occur in the grout joints for several reasons including striking too early, excess water in the grout mix, too rapid of grout curing in extremely hot, dry weather, and movement of the substrate. These small cracks will not affect the performance of the product and can be minimized by striking at the appropriate time, using a proper mix, and in weather above 70 degrees (F).

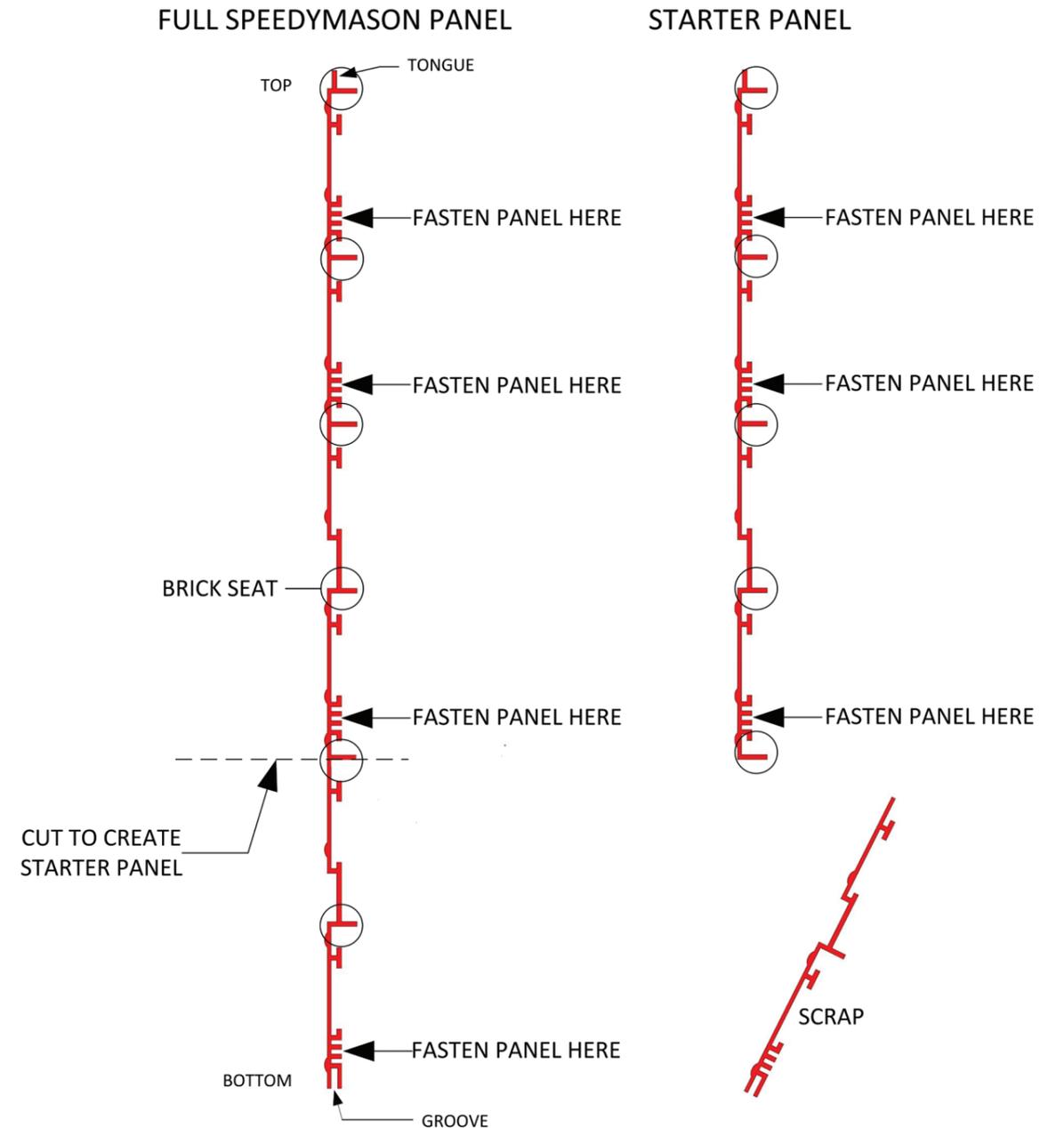


FIGURE 1

SPEEDYMASON BRICK LATH - EXTERIOR & INTERIOR INSTALLATION INSTRUCTIONS:

BRICK LATH EXTERIOR:

Install Overview



1. Attach Panel



2. Back Butter or Trowel



3. Place Brick



4. Bag



5. Strike

1. Attach Panel

- A. Install the building wrap, sealer, or fluid applied barrier system over the sheathing in accordance to code.
- B. Structural sheathing must be exterior grade 5/8" plywood or OSB.
- C. Ensure wall is flat to properly anchor Brick Lath.
- D. Create a starter panel. **(See figure 2)**
- E. Measure and determine the layout based on starter panel.
- F. Speedymason is a tongue and groove panel. Install with the groove facing DOWN. Make sure the tongue is inserted all the way into the groove to keep perfect coursing matrix. Latterly butt Brick Lath with no more than 1/8" spacing between panels and no less than a dime width between panels.
- G. Attach panels so the seams are staggered up the wall so no two pieces of Brick Lath end on the same seamline.
- H. Fasten on the nail strips. **(See figure 2)**
 1. Fasten panel 8" on center, breaking butt end of panels on a stud.
 2. For wood construction, use colligated stainless-steel ring shank or galvanized roofing nails.
 3. Use non-corrosive screws over continuous insulation.
 4. For steel stud construction, use stainless steel or non-corrosive self-tapping screws.
 5. For masonry foundations, use non-corrosive tap con screws.
- F. It is required for exterior application to use Speedymason Brick Lath Corners.
 1. Use screws to fasten corners through reinforced angle bracket.
 2. Nail or screw fastening points at butt ends.

2. Back Butter or Trowel and Place Brick

- A. Before applying mortar, ensure that Brick Lath is free of all dirt or debris.
- B. Mix polymer modified mortar per mortar manufacturer's specifications.
- C. Hand trowel on the mortar using built in legs as a guide to meter out mortar or fully back-butter brick and place on panel.
- D. After mortar is troweled out, or brick is back-buttered, find the bed joint leg, angle brick onto leg and press in from the bottom, applying pressure so mortar squeezes around the brick. **(See photo 3. Place Brick.)**
- E. If any mortar gets on the face of the brick while installing, wipe off the mortar with a wet sponge or towel. This will help with clean up later.

3. Bag and Strike Joints

- A. Bag in around thin brick with a Type N or S mortar. Let mortar set to the consistency of wet beach sand and strike.
- B. Do not use Polymer Modified mortar for bagging and striking. Be sure to use a Type N or S mortar to fill in joints between brick. Polymer Modified is only required for the base coat between the Brick Lath and thin brick.

4. Cleaning

- A. If cleaning is needed, use the brick manufacturers recommended cleaner and follow instructions. Cleaner can be jet applied or scrubbed on.
- B. Do no clean prior to 5 days after grouting and not after 10 days.
- C. If efflorescence appears, a chemical cleaner may be used.

5. Sealing Brick and mortar

- A. Use an approved sealer specified by thin brick manufacturer.



Brick Lath
Installation
Instructions

BRICK LATH INTERIOR:

Install Overview



1. Attach Panel



2. Spot Bond Brick



3. Place Brick



4. Bag



5. Strike



Brick Lath
Installation
Instructions

1. Attach Panel

- A. Create a starter panel. **(See Figure 2)**
- B. Measure and determine the layout based on starter panel.
- C. Speedymason is a tongue and groove panel. Install with the groove facing DOWN. Make sure the tongue is inserted all the way into the groove to keep perfect coursing matrix. Latterly butt Brick Lath with no more than 1/8" spacing between panels and no less than a dime width between panels.
- D. Attach panels so the seams are staggered up the wall so no two pieces of Brick Lath end on the same seamline.
- E. Fasten on the nail strips. **(See figure 2)**
- F. Fasten panel 16" on center, breaking butt end of panels on a stud.

2. Spot Bond and Place Brick

- A. Before applying mortar, ensure that Brick Lath is free of all dirt or debris.
- B. Mix polymer modified mortar per mortar manufacturer's specifications.
- C. Apply a dab of mortar onto the back of the brick. This method is called "Spot Bonding". For interior application, it is not necessary to apply a complete back butter to the brick. Use enough mortar to hold the brick in place. The bagging mortar will secure the brick after it is installed.
- D. After mortar is applied to the back of the brick, find the bed joint leg, angle brick onto leg and press in from the bottom, applying pressure so the brick holds to the Speedymason. **(See photo 3. Place Brick.)**
- E. If any mortar gets on the face of the brick while installing, wipe off the mortar with a wet sponge or towel. This will help with clean up later.

3. Bag and Strike Joints

- A. Bag in around thin brick with a Type N or S mortar. Let mortar set to the consistency of wet beach sand and strike.
- B. Do not use Polymer Modified mortar for bagging and striking. Be sure to use a Type N or S mortar to fill in joints between brick. Polymer Modified is only required for the base coat between the Brick Lath and thin brick.

4. Cleaning

- A. If cleaning is needed, use the brick manufacturers recommended cleaner and follow instructions. Cleaner can be jet applied or scrubbed on.

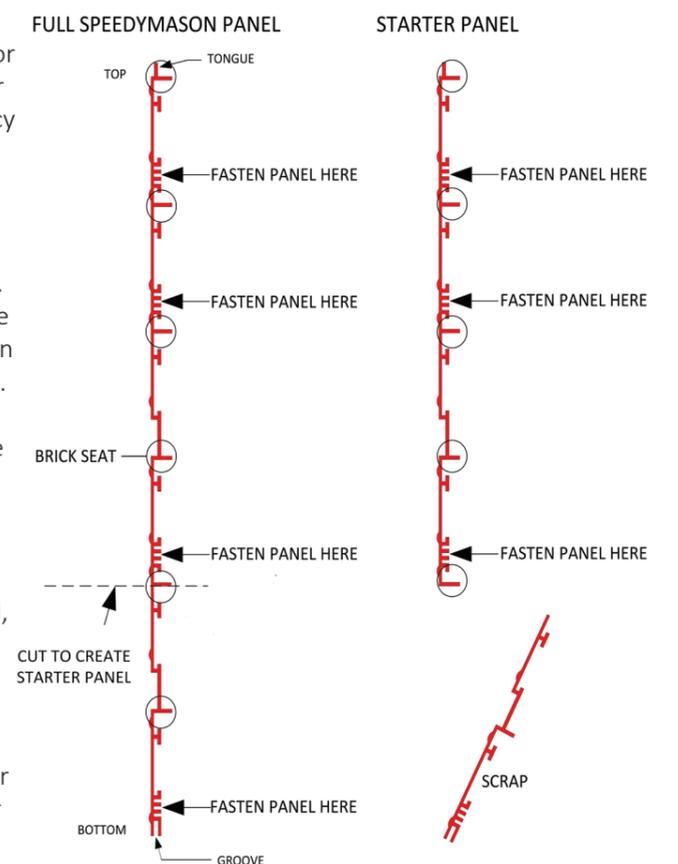


FIGURE 2

SPEEDYMASON STONE LATH - EXTERIOR & INTERIOR INSTALLATION INSTRUCTIONS:

STONE LATH EXTERIOR:

Install Overview



1. Attach Panel



2. Trowel Mortar



3. Back Butter Stone



4. Place Stone



Stone Lath
Installation
Instructions

1. Attach Panel

- Install the building wrap, sealer, or fluid applied barrier system over the sheathing in accordance to code.
- Structural sheathing must be exterior grade 5/8" plywood or OSB.
- Ensure wall is flat to properly anchor Stone Lath.
- Speedymason is a tongue and groove panel. Install with the groove facing DOWN. Make sure the tongue is inserted all the way into the groove. Latterly butt Stone Lath with no more than 1/8" spacing between panels and no less than a dime width between panels.
- Attach panels so the seams are staggered up the wall so no two pieces of Stone Lath end on the same seamline.
- Fasten Stone Lath on the fastener strips. **(See figure 3)**
 - Fasten panel 8" on center, breaking butt end of panels on a stud.
 - For wood construction, use colligated stainless-steel or galvanized ring shank roofing nails.
 - Use non-corrosive screws over continuous insulation.
 - For steel stud construction, use stainless steel or non-corrosive self-tapping screws.
 - For masonry foundations, use non-corrosive tap con screws.
- It is required for exterior application to use Speedymason Stone Lath Corners.
 - Use screws to fasten corners through reinforced angle bracket.
 - Nail or screw fastening points at butt ends.

2. Trowel Mortar, Back Butter and Place Stone

- Before applying mortar, ensure that Stone Lath is free of all dirt or debris.
- Mix polymer modified mortar with water to desired consistency.
- Hand trowel on the mortar for a full scratch coat over panel.
- Ensure that mortar is completely covering the panel.
- After base mortar is applied, back butter stone and stick onto panel.
- If any mortar gets on the face of the Stone while installing, wipe off the mortar with a wet sponge or towel. This will help with clean up later.

3. Jointing and Striking Options

- When using a stone other than dry stack, bag the joints with a Type N or S mortar.
- At no time should the Stone Lath be visible.

4. Cleaning

- If cleaning is needed, use the stone manufacturers recommended cleaner and follow instructions. Cleaner can be jet applied or scrubbed on.
- Do no clean prior to 5 days after grouting and not after 10 days.
- If efflorescence appears, a chemical cleaner may be used.

- Sealing Stone and Mortar** - Use an approved sealer specified by thin brick manufacturer.

STONE LATH INTERIOR:

Install Overview



1. Attach Panel



2. Back Butter Stone



3. Place Stone



Stone Lath
Installation
Instructions

1. Attach Panel

- Install panel over a minimum of 1/2" sheathing. Sheathing can be drywall, OSB, or plywood.
- Ensure wall is flat to properly anchor Stone Lath.
- Install the panel with the groove facing down. Make sure the tongue is inserted all the way into the groove. Latterly butt Stone Lath with no more than 1/8" spacing between panels and no less than a dime width between panels.
- Attach panels so the seams are staggered up the wall so no two pieces of Stone Lath end on the same seamline.
- Fasten Stone Lath on the fastener strips. **(See figure 3)**
- Fasten panel 16" on center, breaking butt ends of panels on a stud.

2. Back Butter and Place Stone

- Before applying mortar, ensure that Stone Lath is free of all dirt or debris.
- Mix polymer modified mortar with water to desired consistency.
- Back butter stone, completely covering back side of stone and adhere to panel. **NOTE:** For interior application, it is not necessary to do a scratch coat.
- If any mortar gets on the face of the stone while installing, wipe off the mortar with a wet sponge or towel. This will help with clean up later.

3. Cleaning

- If cleaning is needed, use the stone manufacturers recommended cleaner and follow instructions.

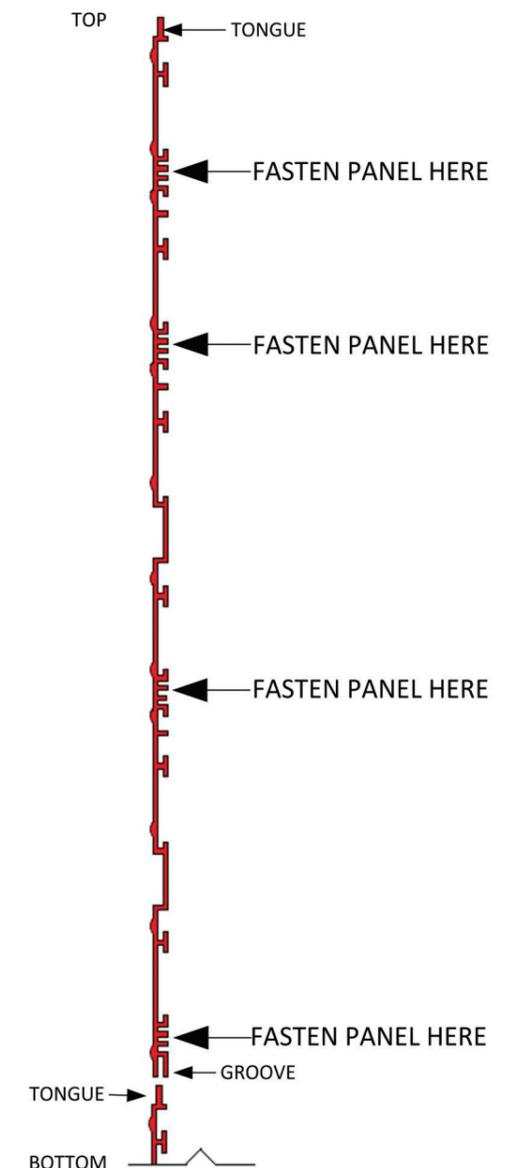


FIGURE 3



Use QR Code to see Speedymason Product Installation Guides on www.speedymason.com/how-to



www.speedymason.com | 608-855-5903 | info@speedymason.com | 300 Sherry Lynn Lane, Sparta, WI 54656