



Speedymason Brick Lath

Product and Installation Guide 2019



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

1. Speedymason Panel Sizes

- A. Stocked Size: W x H: 96" x 16" (10.67 SF) or 48" x 16" (5.335 SF) sold by the square foot. Calculate 5% waste when ordering.
- B. Corner Sizes: W x W x H: 4" x 4" x 16". Sold assembled 90 degrees and sold by the lineal foot.
- C. Each corner requires 12 screws in reinforced brackets per corner plus fasteners on each fastening point.

2. Speedymason Panel: Brick Sizes, Coursing and Brick Matrix

- A. Modular / Norman: 3 bricks and 3 joints = 8" (200mm)
- B. Queen / King: 5 bricks and 5 joints = 16" (400 mm)
- C. Utility / Closure: 4 bricks and 4 joints = 16" (400 mm)

3. Brick Thickness

- A. 3/8" thick with grooved backs: Nearly eliminates bagging grout. Touch up bagging will be necessary.
- B. 1/2" thick with flat back: Nearly eliminates bagging grout. Touch up bagging will be necessary.
- C. 1/2" thick with grooved backs or thicker: Bagging grout is necessary
- D. Maximum thickness: 1-1/2"
- E. Saw cut veneers must be washed and clean and free of debris.

4. Mortar

- A. Polymer modified mortar is required for all exterior applications with Speedymason Brick Lath.
- B. Full mortar coverage must be applied onto panel and brick must be installed while mortar is still wet. Install manageable sections at a time so mortar does not skim over.
- C. 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.
- D. Approved mortars are:
 1. Spec Mix Adhered Veneer Polymer Modified Masonry Mortar.

2. Amerimix 480 Premium Polymer Modified Stone Veneer Mortar.
3. Contact Speedymason for approved equals.

5. Speedymason Hopper – Optional

- A. The hopper is air driven and must have the following air compressor requirements:
 1. Gas or 220 Volt Electric
 2. 5.5 HP and 7 CFM @ 90PSI

6. Fasteners

- A. Approved stainless steel or approved non-corrosive nails and screws are available by Speedymason and are determined by the wall type and approved by the fastener manufacturer.

7. Flashing, Drip Edge, and Trim

- A. Use caulk and flash around openings and terminations in accordance to code and your architect, or Speedymason detail sheets.

8. Air & Water Barrier

- 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 requires an air/water barrier on the wall system behind the panel.

9. Control Joints

- A. Place control joints, in accordance to code or called out by the architect, in areas of shifting or area 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.

Installation Instructions:

1. Attach Panel

- A. Install the building wrap, sealer, or fluid applied barrier system over the sheathing in accordance to code.
 1. Structural sheathing must be exterior grade 5/8" plywood or OSB.
- B. Ensure wall is flat to properly anchor Brick Lath
- C. Create a starter panel. (See figure 1)
- D. Measure and determine the layout based on starter panel.
- E. 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 1/4" spacing and no less than a dime width between panels.
- F. Attach panels so the seams are staggered up the wall so no two pieces of Brick Lath end on the same seamline.
- G. Fasten panel on fastening strips. (see figure 1)
 1. Fasten panel on fastening strips, securing into studs and also between studs. Fasteners must be placed 8" on center. Mark out studs to ensure fasteners hit the studs and also fasten between studs. Break butt end of panels on a stud.
 2. For wood construction, use colligated stainless-steel ring shank 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 Tapcon screws.
- H. 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. Spray on and Trowel Mortar

- A. Before applying mortar, ensure that Brick Lath is free of all dirt or debris.
- B. Mix polymer modified mortar with water so that the consistency is that of a milkshake.
- C. Spray on mortar with a Speedymason Hopper or hand trowel on the mortar.
- D. Ensure that mortar is filled in between the legs of panel.

3. Meter out mortar with a hand trowel using the brick seat as your guide.

4. Place Brick

- A. After mortar is troweled out, find the brick seat, angle brick onto leg and press in from the bottom, applying pressure so mortar squeezes around the brick. See photo below.



- B. 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.

5. Fill in and Strike Joints

- A. If using a brick where jointing is minimal and there is excess mortar squeezed around the brick fill in the joints with the remaining polymer modified mortar or tool out the excess mortar to use a different jointing mortar. For example if using a 3/8" thin brick, bagging will be minimal. Fill in the remaining head and bed joints with the base mortar, let mortar set to the consistency of wet beach sand and strike.
- B. If using a brick that is thicker and full bagging will be necessary, tool out remaining mortar around brick and bag in with a Type N or S mortar. Let mortar set to the consistency of wet beach sand and strike. You may use this option if you are using a colored mortar.

6. Cleaning

- A. If cleaning is needed, use the brick manufacturer's 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 appear, a chemical cleaner may be used.

7. Sealing Brick and mortar

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

Speedymason Brick Lath Install Overview

Figure 1



1. Attach Panel



2. Spray/Trowel Mortar



3. Meter Mortar



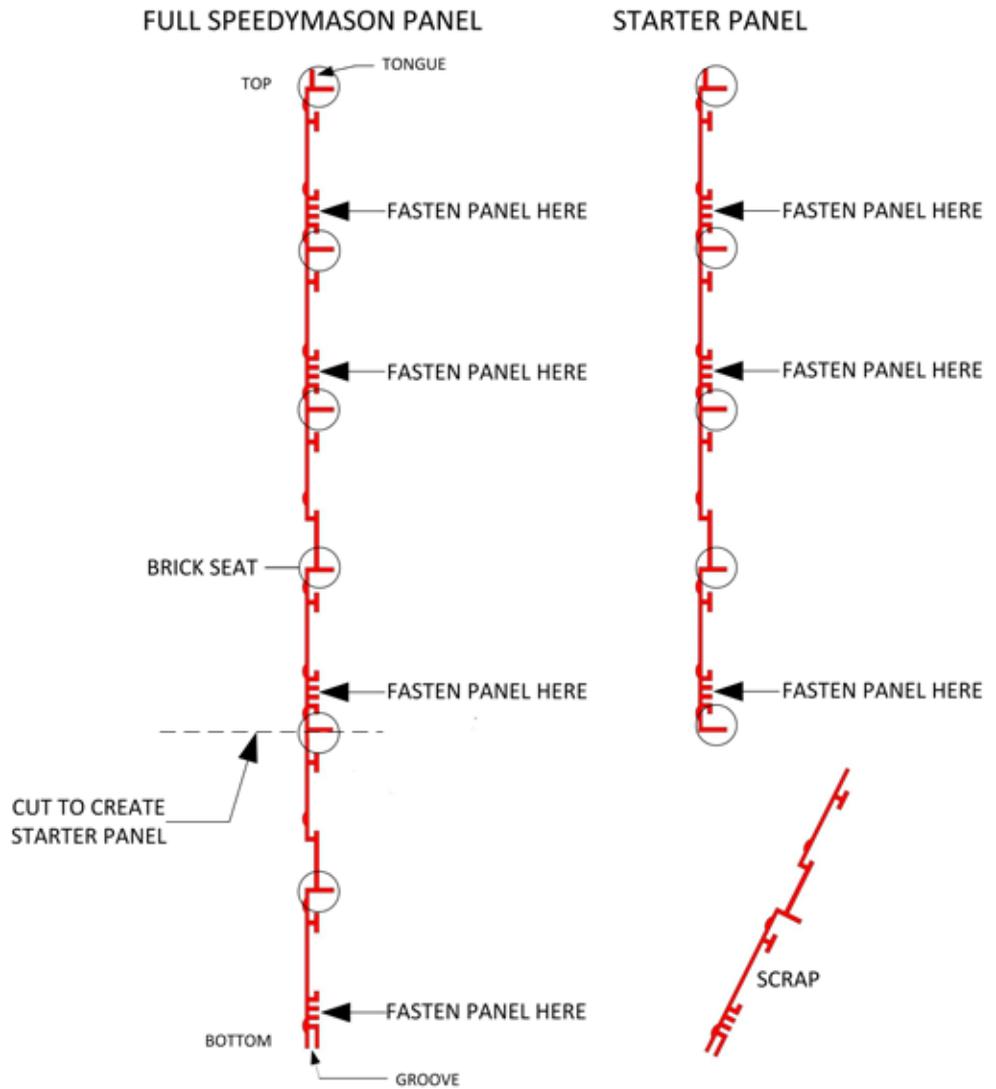
4. Place Brick



5. Fill in Joints



6. Strike Joints



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



speedymason
EXPERIENCE THE THIN BRICK REVOLUTION



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