

NAILSTRIP

The following instructions are provided for the installation of R-Shield® Nailstrip insulation. The instructions herein provide general guidance only and do not cover all aspects related to the installation or use of insulation in a building.

Before starting, ensure that the installation complies with the applicable building code requirements. The building code may have requirements for thickness and R-value of the insulation, vapor retarders, interior thermal barriers and finish materials, exterior weather resistive barriers and claddings, ventilation, insulation in adjacent areas, caulking and sealing, and other items.

As the installer, you are solely responsible for the proper installation of all materials, following product label instructions and for using proper safety precautions during installation to avoid injury. The R-Shield manufacturer is not responsible for building design and accepts no responsibility for the performance of its products resulting from improper building design, construction faults, or defective installation workmanship.

Tools Needed

- Tape Measure
- Utility Knife
- Straightedge
- Cordless Drill
- Saw
- Hammer
- Nail Gun
- Caulk Gun

Protective Gear

- Work Gloves
- Loose-fitting, long-sleeved shirt
- OSHA-approved safety glasses
- Disposable dust respirator (NIOSH or MSHA approved)
- No requirement for re-entry or re-occupancy times.

APPLICATION OF R-SHIELD NAILSTRIP TO A CONCRETE WALL:

1. Remove any obstacles or debris from the wall and area of work that may interfere with the attachment of the Nailstrip.
2. Cut the Nailstrip to match the wall height.
 Note: Cut the Nailstrip as needed to fit tightly around pipes, ducts, vents, openings or similar objects.
3. Install lumber blocking as required.
4. Using foamboard compatible adhesive, apply the adhesive to the wall, or directly to the Nailstrip, in vertical beads approximately 12" apart.
5. Press/hold the Nailstrip firmly to the wall.
6. Attach using concrete fasteners through the Nailstrips and insulation into the concrete wall.
 Fastener spacing must be no greater than 24" along the length of all Nailstrips.
 Note: R-Shield Concrete Fasteners for concrete masonry units or solid concrete walls are available from Premier Building Systems.
 Note: Nailstrips must be pressure treated when used below grade or when in direct contact with concrete.

7. **Interior Application:**

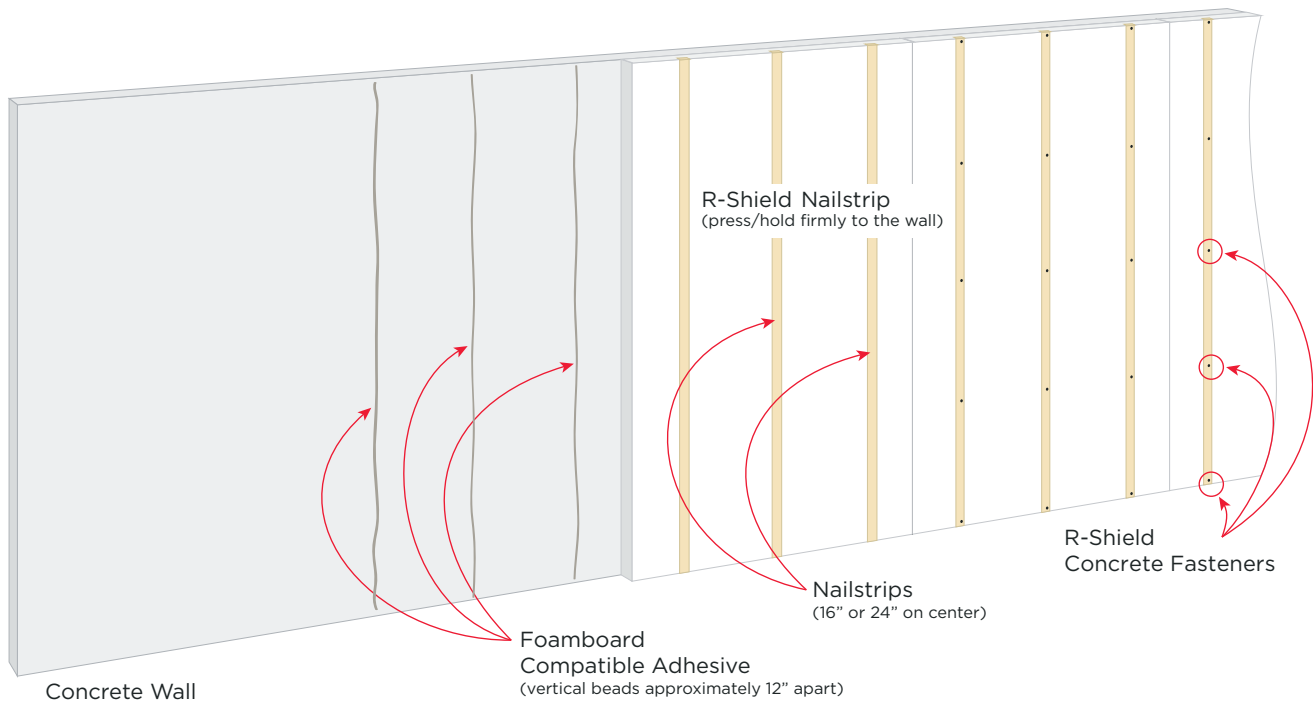
- a. Install vapor retarder, as required, in compliance with the applicable building code.
- b. Install a code compliant thermal barrier, such as 1/2" gypsum board, to the Nailstrips per the requirements of the applicable building code.

Exterior Application (above grade):

- a. Install a code compliant weather resistive barrier.
- b. Install a weather resistive exterior cladding in compliance with the applicable building code.

Exterior Application (below grade):

Waterproof or dampproof walls with foamboard compatible products in compliance with the applicable building code prior to installation of Nailstrip.



APPLICATION OF R-SHIELD NAILSTRIP TO A WOOD FRAMED WALL:

1. Remove any obstacles or debris from the wall and area of work that may interfere with the attachment of the Nailstrip.

Note: The wall to receive the Nailstrip must be braced or sheathed in compliance with the applicable building code.

2. Cut the Nailstrip to match the wall height.

Note: Cut the Nailstrip as needed to fit tightly around pipes, ducts, vents, openings or similar objects.

3. Install lumber blocking as required.

4. Using foamboard compatible adhesive, apply adhesive to the wood studs.

5. Press/hold the Nailstrip firmly to the wall.

6. Attach using wood fasteners through the Nailstrips and insulation into the wood studs. Fastener spacing must be no greater than 24" along the length of all Nailstrips.

Note: R-Shield Wood Fasteners for wood framed walls are available from Premier Building Systems.

7. **Interior Application:**

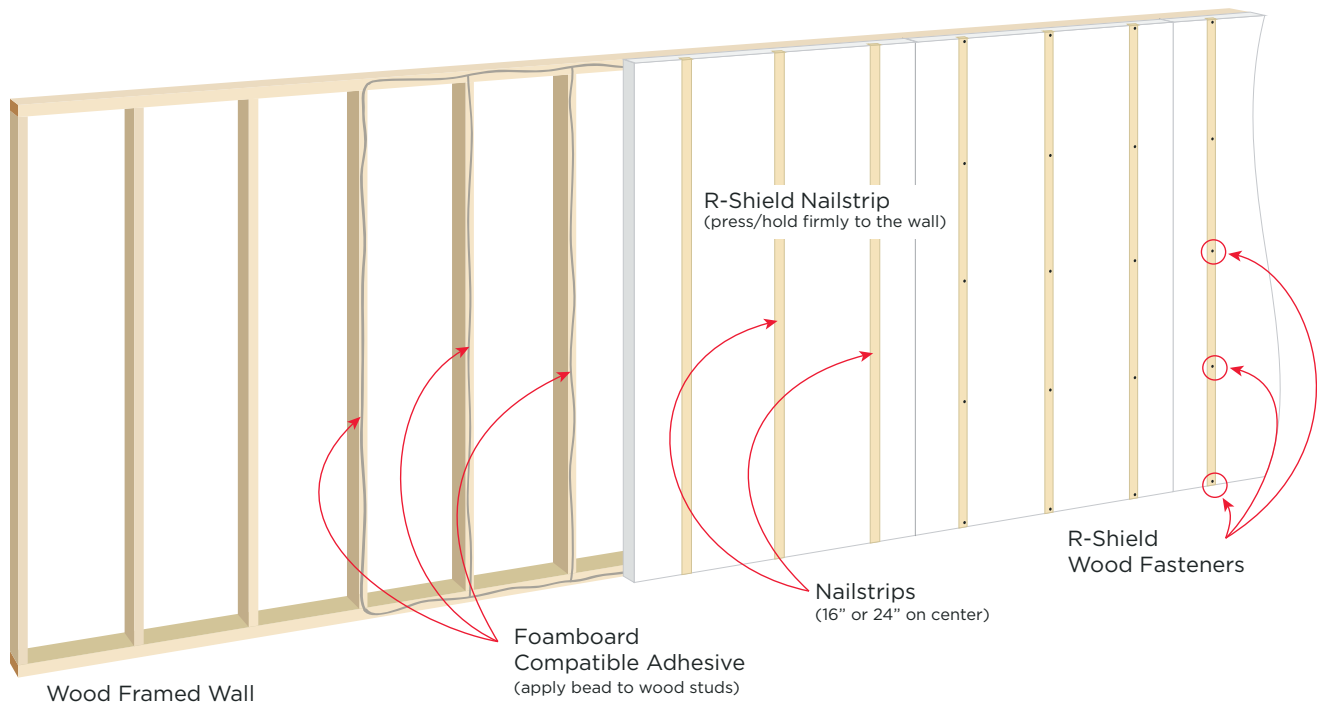
- a. Install vapor retarder, as required, in compliance with the applicable building code.

- b. Install a code compliant thermal barrier, such as 1/2" gypsum board, to the Nailstrips per the requirements of the applicable building code.

Exterior Application (above grade):

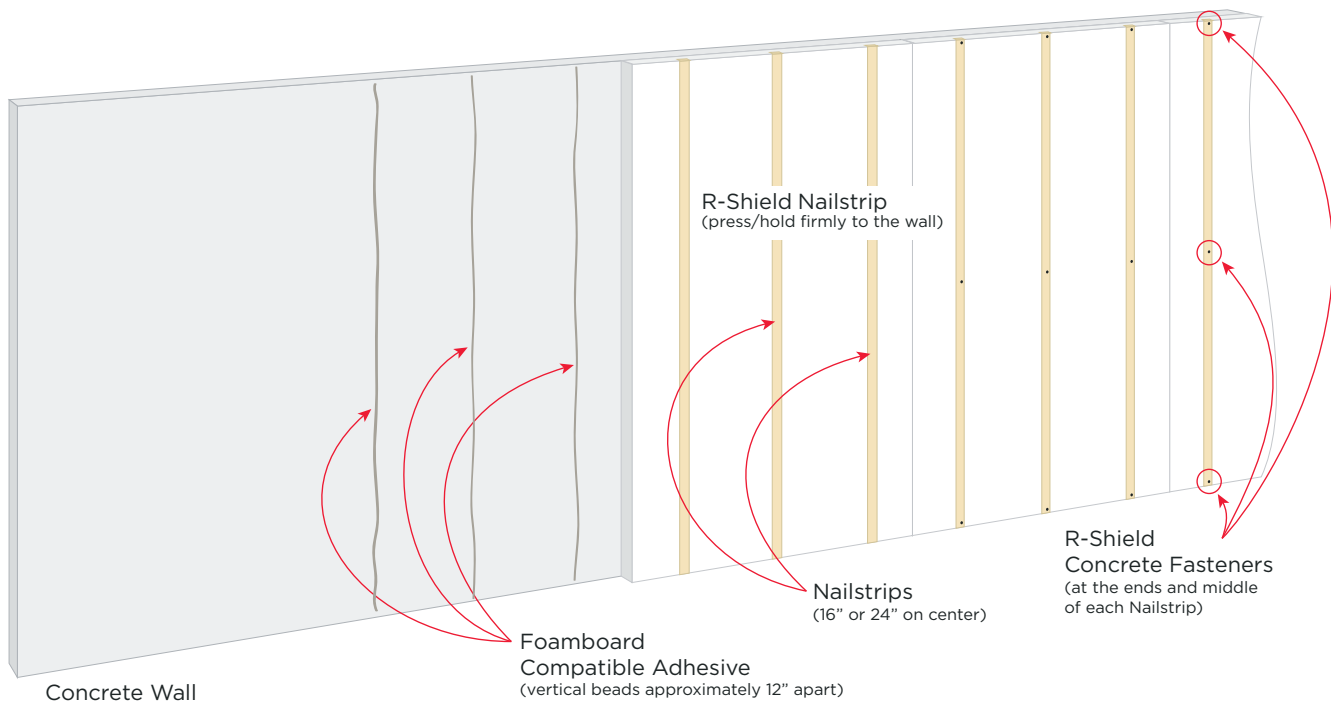
- a. Install a code compliant weather resistive barrier.

- b. Install a weather resistive exterior cladding in compliance with the applicable building code.



APPLICATION OF R-SHIELD NAILSTRIP TO INTERIOR OF A CONCRETE CRAWL SPACE WALL:

1. Remove any obstacles or debris from the wall and area of work that may interfere with the attachment of the Nailstrip.
2. Cut the Nailstrip to match the wall height.
 - Note: Cut the Nailstrip as needed to fit tightly around pipes, ducts, vents, openings or similar objects.
3. Using foamboard compatible adhesive, apply the adhesive to the wall, or directly to the Nailstrip, in vertical beads approximately 12" apart.
4. Press/hold the Nailstrip firmly to the wall.
5. Attach using concrete fasteners through the Nailstrips into the concrete wall at the ends and middle of each Nailstrip.
 - Note: R-Shield Concrete Fasteners for concrete masonry units or solid concrete walls are available from Premier Building Systems.
6. Install vapor retarder, ignition barrier, or thermal barrier (gypsum board), as required, in compliance with the applicable building code.



Notice: R-Shield EPS insulation contains a flame retardant; however, it should be considered combustible and should not be exposed to sources of ignition. The product will ignite when exposed to open flame or welding torches.

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