

3-Ci Insulation

The following instructions are provided for the installation of PowerFoam R-Control ThermaShield Nailbase 3-Ci continuous insulation sheathing board. The instructions herein provide general guidance only and do not cover all aspects related to the installation or use of continuous insulation sheathing board 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 continuous insulation sheathing board, interior thermal barriers and finish materials, exterior weather resistive barriers and claddings, ventilation, insulation in adjacent areas, caulking and sealing, and other items.

Note: ThermaShield conditions, code requirements, and building science dictate the use and position of vapor retarders within wall assemblies. Consult with local code officials and building science professionals concerning the use of vapor retarders.

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. PowerFoam 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.

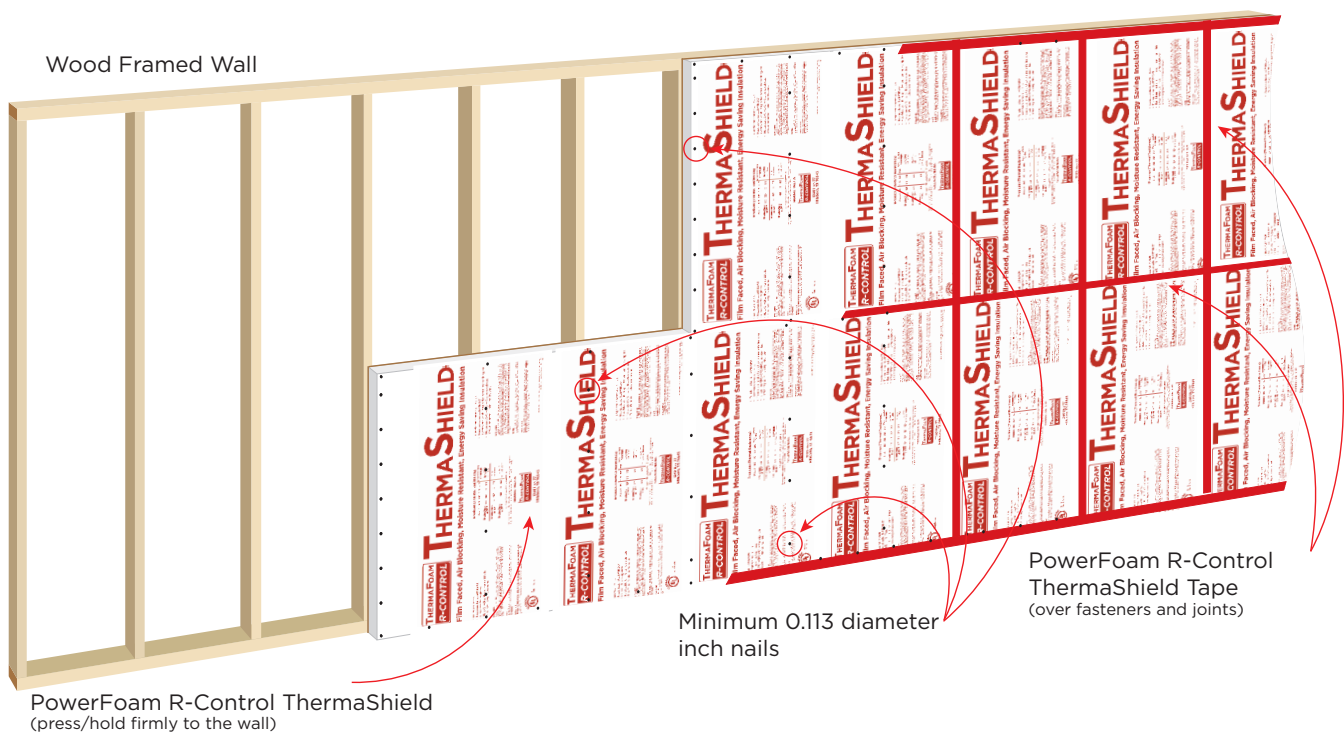
Installation.

PowerFoam R-Control ThermaShield Nailbase 3-Ci must be installed perpendicular to structurally sound wood framing members. Mechanically fasten the 3-Ci with the OSB held against the framing members using a specialty nail gun designed to send nails through the insulation and seat firmly against the OSB. Installation shall be in accordance with published instructions, details, and drawings that are part of the contract documents for the project. Install wall cladding materials per wall cladding manufacturer's specifications and recommendations for installation over continuous insulation.

Fastener spacing should be in compliance with the International Building Code (IBC) or International Residential Code (IRC) for $\frac{7}{16}$ " OSB used as bracing over structural wood framing members.

APPLICATION OF POWERFOAM R-CONTROL NAILBASE 3-CI 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 boards.
2. Cut the boards to match the wall length or height as needed.
 - Note: Cut the boards as needed to fit tightly around pipes, ducts, vents, openings or similar objects.
 - Note: PowerFoam R-Control molded polystyrene component of PowerFoam R-Control ThermaShield Nailbase 3-Ci must not be installed in contact with hot objects (e.g. chimneys, furnace and water flues, lighting fixtures, etc.). Maintain gaps in accordance with the applicable building code.
3. Install termination fixtures as required.
4. Press/hold the board firmly to the wall.
 - Note: PowerFoam R-Control ThermaShield Nailbase 3-Ci must be installed perpendicular to framing members and all vertical edges must be supported by framing members.
5. Using a specialty nail gun, attach with minimum 0.113 inch diameter nails through insulation and into the wood studs with a minimum 1 1/2" penetration. Fastener spacing must be in compliance with IBC and IRC codes.
6. Apply PowerFoam R-Control Tape over fastener head penetrations, board joints, and corners.
7. Flash openings and penetrations in compliance with the applicable building code.
8. Install a weather resistive exterior cladding in compliance with the applicable building code.



Notice: PowerFoam R-Control 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.