Installation Instructions

For Complete Installation Instructions, please download the Atlas Insulating Sheathing Installation Guide.

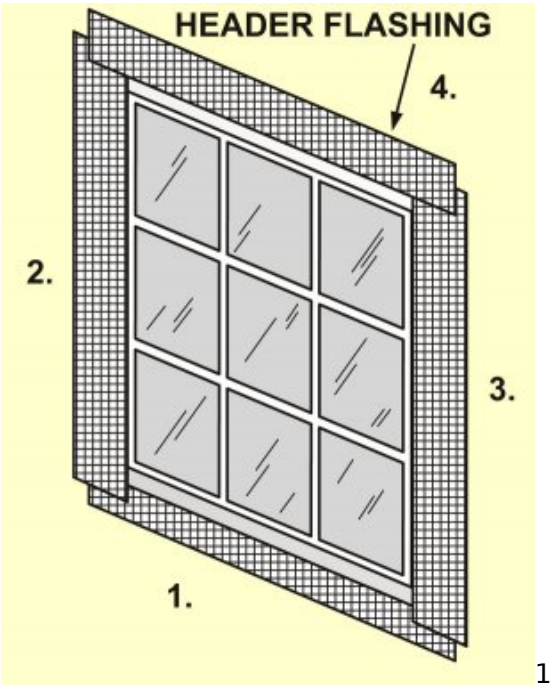
Atlas recommends and supports the WarmWall Systemf. The WarmWall Systemf covers all framing members 100%, including the corners, with Atlas Wall Insulation. WarmWall is a way to wrap your entire house with a high thermal insulating sheathing, reducing heating and cooling loss in all wall locations, not just the stud cavities. When using Atlas Wall Insulations on your home, you can meet or exceed the Model Energy Code for your area and also greatly reduce the potential for condensation problems.

Use code accepted shear or corner bracing, such as 1" x 4" metal strapping or “let-in wood”. Energy Shield® wall insulation should be placed with the longest edge in a vertical position with edges on stud centers. Stud wall spacing of 16" o.c. does not require horizontal support; however, 24" o.c. stud spacing should have a horizontal 2" x 4" at mid-height for internal support. Nailing should be done with 3/8" diameter head galvanized roofing nails long enough to penetrate the wood stud at least 3/4". Sixteen gauge wire staples having a crown minimum of 3/4" wide and legs long enough to penetrate the framing at least 1/2" may also be used. Staple crowns should be parallel with the longest edge of the Energy Shield®. Do not allow the nail head or staple crown to penetrate the sheathing surface. Fasteners should be placed no closer than 3/8" to the perimeter edges of Energy Shield® spaced 12" o.c. around the perimeters (including top plate and sole plate), and spaced 12" o.c. in the field of the board. When nailing siding materials over Energy Shield® care should be taken to avoid crushing the sheathing.

Water Resistive Barrier Taping and Sealing Procedures Follow all application instructions of the tape manufacturer. Assure that the mounting surface areas of the sheathing are clean where the flashing tape and sealant materials are to be applied, this is important to the adhesion qualities of the Atlas WRB flashing tape and sealant products.

Start the flashing tape application at the bottom of the wall assembly and work upward as you install the system’s components. This will assure the basic function of the water shedding action of the flashing materials.

Apply the flashing tape to all previously sealed/caulked and mounted, window flanges and door edge openings. Center the tape over the mounting flange edges. Tape all areas per the following procedures:



1. Apply the Atlas WRB flashing tape to the horizontal joints. The tape should be centered over all panel joints. Overlap all joints in the flashing tape by at least 3".

2. Apply the Atlas WRB flashing tape to all vertical joints of the insulating panels, continuing over the junctures of the previously taped, horizontal joints.

3. All insulating panel joints must be taped. All window and door openings must be sealed and taped per these instructions as well as the window and door manufacturers installation requirements. These instructions are designed to augment, not replace, the installation instructions of the door and window manufacturers. Apply tape in the order shown here.

4. Tape all joints where insulating panels and wood structural panels meet, just as when taping insulating panel joints.

All other penetrations through the exterior of the wall assembly must be sealed and/or taped with these same materials to ensure a full Water Resistive Barrier system. Hose bibs, electrical access, dryer vents or any other wall penetration must be fully sealed/caulked.

Cover the wall assembly with a code approved exterior wall cladding as soon as is practical. Atlas recommends that all of the wall cladding materials be installed within 60 days of installing this Water Resistive Barrier system of materials.

SPECIAL NOTICE When building in areas of high humidity, and where building codes require it, a code-approved interior vapor retarder should be used. Typical vapor retarders used include kraft-faced batt insulation or polyethylene sheeting of a specific thickness. Review your local building codes and model energy codes to determine the requirements in your area.

While Atlas’s wall insulations are weather resistant, they are not designed for long term exterior exposure. Atlas recommends that they be covered with the permanent siding within 60 days of installation.

WARNING These Products Will Burn. Do Not Leave Exposed. Atlas wall insulation must have 1/2" gypsum wallboard, or other code-approved fire barrier, installed between it and the occupied area of a building.