

Instructions – Everbilt Reflective Foil Insulation

Important – Safety Guidelines

Read before installation and retain a copy for future reference:

- ✓ Always check local building guidelines prior installation
- ✓ Always ensure Everbilt Insulation is installed in a clean and hazard free location- no worn wires or electrical components
- ✓ Only ever work in well ventilated and lighted places
- ✓ Always wear eye protection when using a staple gun and follow manufacturers guidelines for safe use
- ✓ Always be cautious and apply common sense when operating a staple gun. Ensure you know where the electrical wiring is located. Stapling into wires can cause electric shock or even death. NEVER staple into electrical wires.
- ✓ Take care when handling large sheets of Everbilt Insulation in windy conditions
- ✓ Use sunglasses in bright conditions to reduce glare
- ✓ Environments such as attics can be dangerously hot when outside temperatures are high-always check the temperature of your work place

R-values are determined by “direction of heat flow” and the “depth of the airgap” for a particular application. For this reason, the R-value varies with the home due to the different applications. When used as a Radiant Barrier there is no R-Value. Radiant Barriers provide significant benefit by reducing the radiant heat transfer.

For example: A radiant barrier reduces the surface temperature within an attic dramatically. A cooler attic transfers less heat into the house, which means less air conditioning usage.

Attic: Radiant Barrier- Staple to the underside of the rafter or directly onto the decking; Do not cover any ventilation devices with Everbilt Insulation; If installed under the rafter, please ensure an airgap of 2" to 3" on each side of the roof peak (2" overlap butt seams); staple down to lower roof line edge as far as possible (within 18" is acceptable)

Cathedral Ceiling:

Cathedral Ceilings have to be ventilated and installation of the product must be in line with local building codes and by following our installation instructions.

Note: The continuous airgap of 0.75" between the EverBilt insulation and the top of the fibreglass batt (warmer climates) is required or between the EverBilt insulation and the finished ceiling interior (Northern area)

Cathedral Ceiling above the fiberglass installation- Southern Areas of the USA Only:

Benefits: Keeping it cool in the summer and warm in the winter.

Installation :Start at the top of the cavity and run the product directly on to the decking and parallel to the rafter; staple EverBilt Insulation directly onto the deck (the staples will not effect the performance of the product) – Do not cover any ventilation devices with Everbilt Insulation. A continuous airgap of a minimum of 0.75 inch below the Everbilt Insulation is required; Install the code fiberglass batt below Everbilt Insulation

Cathedral Ceiling below the fibreglass – Northern Areas of the USA and Canada:

Benefits: Keeping it cool in the summer and warm in the winter and it acts as a vapour control layer.

Installation Option 1: Recess the insulation into the 0.75" cavity and staple it to the inside of the rafter every 2 to 3 inch as a continuous layer.

Installation Option 2: Staple the insulation every 2 to 3 inches directly onto the underside of the rafter as a continuous layer. Nail 1"x 2" Furring strips to the underside of the rafter and install code fibreglass batt over Everbilt Insulation.

Crawl space:

Benefits: Acts as Vapour control layer.

Installation: Start at the end of the house. Run the first layer of Everbilt Insulation halfway up the joist and staple the product to the inside of the joist. This will create the airgap between the two layers of insulation. Run the second layer to the underside of the joist and staple it. Seal the overlaps with Everbilt Foil Tape to create a vapour barrier. Staple and seal the Everbilt insulation around the perimeter. The two cavities have been created, one between the flooring and the first layer of insulation and the second between both insulation layers.

Radiant Floor/ Wood Joist:

Benefits: Radiant Reflector

For installation, please see "Crawl Space" details above.

Duct Insulation:

Benefits: Reduces the Air Loss

Note: Condensation may occur. When installed without a cavity the condensation is reduced, however if installed with a cavity thermal performance will increase and reduce condensation further.

Installation: For the direct application on to the duct install the Everbilt Insulation in a spiral or in linear strips and tape the overlaps with the Everbilt foil tape. – Do not remove any existing insulation.

By double wrapping 2 inch wide strips every 24" to 36" around the duct you may create the cavity and then install Everbilt Insulation in a spiral or in linear strips. Seal overlaps with EverBilt Foil Tape as per above.

Exterior Wall:

Benefits: Acts as a Vapor retarder

Installation: Install Fiberglass in an external 2" x 4" wall system. Install the Everbilt Insulation to the internal side of the timber structure creating a cavity of 0.75". This cavity is created between the Everbilt Insulation and the sheet rock.

Garage Door:

Installation: Cut the Everbilt Insulation to the size of the panels on the door. Cover metal doors with adhesive or staple it to the wood door, depending on the door material.

Knee Wall:

Installation: Staple the Everbilt Insulation to either side of the stud, with the fiberglass in between the stud. The cavity is created between the product and the fiberglass.

Masonry Block Wall on Furring Strips:

Benefit: Thermal Performance and Vapor Retarder

Installation: Fix furring strips to the block wall as per code. Staple the Everbilt Insulation onto the furring strips. Staple the insulation in the middle of the cavity creating two airspaces. Required

airgaps are created between the Everbilt Insulation and the wall/ or insulation and the sheet rock within the furring strip cavity.

Radiator:

Benefit: Radiant Reflector

Installation: Cut Everbilt Insulation to the size of the hot water radiator. Install it directly to the wall without it touching the radiator or plumbing. Use double sided tape, Velcro or spray adhesive to hold the product securely in place.

Water Heater:

Installation: Cut 4 x 2" wide strips and double wrap these around the heater an equal distance apart to create a cavity and fix in place with foil tape. Wrap the Everbilt Insulation around the heater completely and seal the overlaps with Everbilt foil tape.

Do not install over the access panel, controls or the top and bottom of the tank.

Please always read the heater manual and follow any manufacturer's guidelines regarding installing insulation.

Workshop/ Storage Room:

Installation: Recess the Everbilt insulation to the middle of the wall cavity (2" x 4") and cover with drywall and or other covering. The required cavity is created between the insulation and wall and the insulation and internal panel, inside the stud cavity.