

Insulation Inspection Checklist

This list is intended to offer a general overview of the types of elements our inspectors may focus on during an inspection. It should be noted that this list is not exhaustive and should not be considered a definitive guide. Each inspection is unique, and the specific circumstances of each case may result in variations regarding what is inspected or prioritized. Always consult with your assigned inspector for any questions that may arise from your project.

Location of Insulation

- Cold room walls are insulated to the floor in accordance with the Energy Design Summary Sheet (EDSS) and the permit drawings.
- Joist spaces between the first and second-floor joists are insulated in accordance with the EEDS and the permit drawings, using the same amount of thermal insulation as the walls.
- Type 1 expanded polystyrene is not in contact with the ground or used above a roof membrane. Expanded polystyrene that can be used in contact with the ground must be stamped for this use.
- Support insulation on the sides of dropped ceilings over attached garages.
- All stud spaces above bathtub enclosures with dropped ceilings are sealed to prevent spillage of blown insulation.
- Insulation around skylights must be fully supported.
- Recessed light fixtures (pot lights) are approved for use in insulated ceilings.
- Openings between rafters at eaves (except at baffles) are sealed to prevent spillage of blown insulation.
- All chases into roof space are sealed.

Minimum Thermal Resistance

- Correct thickness for the type of insulation installed and the EDSS.
- Insulation not placed against chimneys or vents of heating appliances.
- Minimum of 400 mm high curb around attic access hatch.
- Return air chases through garages are strapped-out and insulated with a minimum of RSI 2.1 (R 12) insulation.
- Sprayed-in-place polyurethane complies with CAN/ULC-S705.1 and is installed to CAN/ULC-S705.2.
- Sprayed-in-place polyurethane installer is certified by the manufacturer to install their product.

Installation of Insulation

- Batt type insulation is not compressed but trimmed to fit snugly.
- Baffles are installed to permit 50% of roof space ventilation.

- 25 mm space above insulation for low slope roof to top of roof joist, with cross purlins.
- Batt type foundation insulation is protected by a moisture barrier, from floor slab to finished grade.

Vapour Barriers

- The vapour barrier is installed on the warm side of insulation, covering the entire surface, behind bulkheads, furring, behind uninsulated ducts, floors over unheated spaces, and on the cold side of plumbing pipes.
- .15 (6 mil) polyethylene vapour barrier covers all insulated surfaces and conforms to standard CAN/CGSB-51.33-M.
- Where sprayed-in-place polyurethane insulation is installed to function as the vapour barrier, refer to Building Tip 34.