

New requirements of the 2010 National building code of Canada for energy efficiency

The following table is an example of new insulation requirements for each part of the building envelope with an HRV. Effective RSI values take into account all the components of an assembly, not just the RSI Value of the insulation in the assembly.

Type of assembly	Min RSI	Min R Value
Ceiling below attics	8,67	50
Flat roofs	4,67	27
Walls above grade	2,97	17
Foundation walls	2,98	17
Basement slab above frost line	1,96	11
Heated slab	2,32	13
Floors over unheated space	4,67	27

- Insulation is required to be continuous throughout the assembly. Mechanical, plumbing or electrical system components such as pipes, ducts, conduits, cabinets, chases, panels or recessed heaters that are placed within and parallel to a wall assembly will not be permitted.

- Windows and doors shall have an overall transmittance value (U value) of not greater than 1.60 or an energy rating not less than 25.

- Efficiency of equipment used for heating, ventilating and air conditioning: equipment for heating, ventilating, air conditioning and service water heating shall comply with requirements in section 9.36 of the 2010 National building code of Canada.

If you have any questions, please do not hesitate to contact us at 877.7855.

(This document is not an equivalent of the 2010 National building code of Canada and should not be relied upon legal advice.)

