Summerside

## **Minimum Insulation Values per Building Assembly**

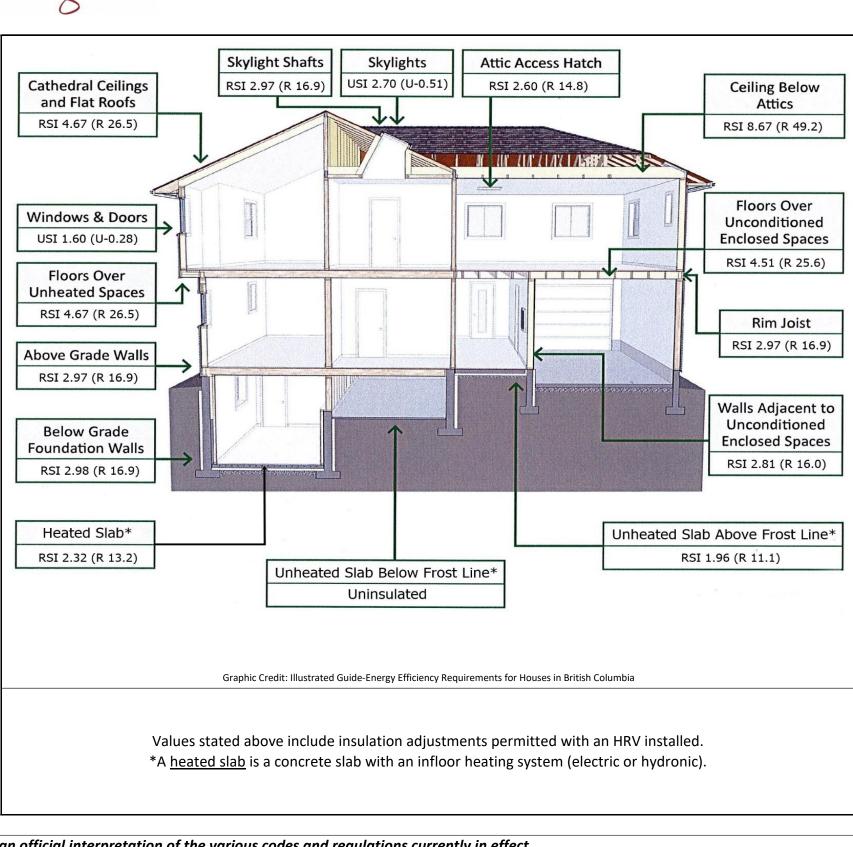
Zone 6 (4000-4999 Heating Degree-Days Below 18°c)

The minimum *effective* thermal resistance values to achieve the requirements of Section 9.36 in the 2015 National Building Code are shown in Table 1. Wall assembly requirements are relaxed where a heat recovery ventilator (HRV) is utilized.

Insulation levels by assembly to achieve effective thermal resistance requirements			
	No HRV	HRV RSI (R)	
	RSI (R)		
Below Grade Walls (Foundations)	2.98 (16.9)	2.98 (16.9)	
Unheated Floors below Frost Line	Unins	Uninsulated	
Unheated Floors above Frost Line	1.96 (11.1)	1.96 (11.1)	
Heated Floors (In-Floor Heating System)	2.32 (13.2)	2.32 (13.2)	
Slabs-on-Grade with Integral Footing	1.96 (11.1)	1.96 (11.1)	
Floors over Unheated Spaces	4.67 (26.5)	4.67 (26.5)	
Rim Joists	3.08 (17.5)	2.97 (16.9)	
Above Grade Walls	3.08 (17.5)	2.97 (16.9)	
Exterior Walls of an Attached Garage	3.08 (17.5)	2.97 (16.9)	
Walls Adjacent to an Unconditioned Garage	2.92 (16.6)	2.81 (16.0)	
Ceilings below Attics	8.67 (49.2)	8.67 (49.2)	
Cathedral Ceilings	4.67 (26.5)	4.67 (26.5)	
Flat Roofs	4.67 (26.5)	4.67 (26.5)	
Skylight Shafts	3.08 (17.5)	2.97 (16.9)	
Attic Hatch	2.60 (14.8)	2.60 (14.8)	

Section 9.36.2.4.(4) of the Code allows for a relaxation of RSI 0.16 for building evelope assemblies adjacent to unconditioned enclosed spaces such as verandas, sun porches, vestibules, floor over a garage or walls between an attached garage and a house. This does not include vented spaces such as an attic, roof or crawl spaces.

	Maximum U-Value	Min.Energy rating
Windows	1.60	25
Doors*	1.60	25
Skylights	2.70	
Glass Block (Max Aggregate Area is 1.85m <sup>2</sup> (9.36.2.7.(4))	2.90	
Vehicle Access (Garage)Doors	1.10	
* One entrance door may have a rating of USI-2.60 Refer to 9.36.2.7.(3) for exception for site-glazed or site-asser	nbled, factory made produ	cts



This pamphlet has no legal status and cannot be used as an official interpretation of the various codes and regulations currently in effect.

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City of Summerside-Technical Services