

Table 3.1.1.3.A (IP)  
 ZONE 2 - Compliance Packages for Space Heating Equipment with AFUE ≥ 92%  
 Forming Part of Sentence 3.1.1.3.(1)

Component	Thermal Values <sup>(8)</sup>	Compliance Package					
		A1	A2	A3	A4	A5	A6
Ceiling with Attic Space	Min. Nominal R <sup>(1)</sup>	60	50	60+HH	60	60	50
	Max. U <sup>(2)</sup>	0.017	0.020	0.016	0.017	0.017	0.020
	Min. Effective R <sup>(2)</sup>	59.22	49.23	59.90	59.22	59.22	49.23
Ceiling Without Attic Space	Min. Nominal R <sup>(1)</sup>	31	31	31	31	31	31
	Max. U <sup>(2)</sup>	0.036	0.036	0.036	0.036	0.036	0.036
	Min. Effective R <sup>(2)</sup>	27.65	27.65	27.65	27.65	27.65	27.65
Exposed Floor	Min. Nominal R <sup>(1)</sup>	31	35	31	31	31	35
	Max. U <sup>(3)</sup>	0.034	0.031	0.034	0.034	0.034	0.031
	Min. Effective R <sup>(3)</sup>	29.80	32.02	29.80	29.80	29.80	32.02
Walls Above Grade	Min. Nominal R <sup>(1)</sup>	19 + 5 ci	19 + 10 ci	22 + 5 ci	22 + 7.5 ci	19 + 10 ci	22 + 7.5 ci
	Max. U <sup>(3)</sup>	0.049	0.040	0.047	0.042	0.040	0.042
	Min. Effective R <sup>(3)</sup>	20.32	25.32	21.40	23.90	25.32	23.90
Basement Walls <sup>(6)</sup>	Min. Nominal R <sup>(1)</sup>	20 ci	20 ci	20 ci	20 ci	20 ci	20 ci
	Max. U <sup>(4)</sup>	0.047	0.047	0.047	0.047	0.047	0.047
	Min. Effective R <sup>(4)</sup>	21.12	21.12	21.12	21.12	21.12	21.12
Below Grade Slab Entire Surface > 600 mm Below Grade	Min. Nominal R <sup>(1)</sup>	—	—	5	—	10	7.5
	Max. U <sup>(4)</sup>	—	—	0.163	—	0.090	0.116
	Min. Effective R <sup>(4)</sup>	—	—	6.13	—	11.13	8.63
Heated Slab or Slab ≤ 600 mm Below Grade	Min. Nominal R <sup>(1)</sup>	10	10	10	10	10	10
	Max. U <sup>(4)</sup>	0.090	0.090	0.090	0.090	0.090	0.090
	Min. Effective R <sup>(4)</sup>	11.13	11.13	11.13	11.13	11.13	11.13
Edge of Below Grade Slab ≤ 600 mm Below Grade	Min. Nominal R <sup>(1)</sup>	10	10	10	10	10	10
Windows and Sliding Glass Doors	Max. U <sup>(5)</sup>	0.21	0.28	0.28	0.21	0.25	0.25
	Energy Rating	34	25	25	34	29	29
Skylights	Max. U <sup>(5)</sup>	0.49	0.49	0.49	0.49	0.49	0.49
Space Heating Equipment	Min. AFUE	96%	96%	98%	96%	94%	92%
HRV	Min. SRE	81%	70%	65%	65%	65%	75%
Domestic Water Heater <sup>(7)</sup>	Min. EF	0.70	0.80	0.80	0.67	0.67	0.70
Column 1	2	3	4	5	6	7	8

Notes to Table 3.1.1.3.A (IP):

The following definition applies:

HH = 10 inch high heel

- (1) The values listed are minimum Nominal RSI-values for the thermal insulation component only.
- (2) U-Value and effective R value shall include entire ceiling assembly components, from interior air film to vented space air film above insulation.
- (3) U-Value and effective R value shall include entire exposed floor or above grade wall assembly components, from interior air film to exterior air film.
- (4) U-Value and effective R value shall include entire *basement* wall or slab assembly components and interior air film.
- (5) U-Value is the *overall coefficient of heat transfer* for a window assembly, sliding glass door assembly or skylight assembly expressed in Btu/(h·ft<sup>2</sup>·F).
- (6) In the case of *basement* wall assemblies, where R20 ci is required R12 + 10 ci is permitted to be used or vice versa; or where R12 + 5 ci is required, R15 ci is permitted to be used or vice versa.
- (7) If an EF of a water tank is not indicated in a compliance package, there is no EF requirement for water tank for that specific compliance package.
- (8) Nominal and effective R values are expressed in (h·ft<sup>2</sup>·F)/Btu. U-Values are expressed in Btu/(h·ft<sup>2</sup>·F).