



Exterior wall

Products:	«R» value*	RSI Value*
External air flow	0.17	0.03
Siding		
Brick cladding	0.40	0.07
Vinyl siding	0.62	0.11
Wood furring 9.5 mm (0.75 in) or air space 25 mm (1 in)	1.02	0.18
Water vapor permeable weather barrier membrane, ex: Tyvek**	0.00	0.00
SONOclimat R4 28.6 mm (1.125 in)	4.00	0.70
Studs 38 x 140 mm (2 in x 6 in) at 406 mm (16 in) o.c.	6.74	1.19
Insulation wool batts 140 mm (5.5 in)	22.00	3.87
Wood fibreboard panel 12.7 mm (0.5 in)	1.30	0.23
Vapor barrier	0.00	0.00
Wood furring 19.5 mm (0,75 in)	1.02	0.18
Gypsum panel 12.7 mm (0.5 in)	0.44	0.08
Indoor air flow	0.68	0.12

* R-value and RSI based on the total thickness of the product.

** A weather barrier must be used on the SONOclimat R4 panels.

Brick cladding: effective R value = RSI 4.95 (R-28.13) Total R-value: RSI 5.46 (R-31.03)
 Vinyl siding: effective R value = RSI 4.99 (R-28.35) Total R-value: RSI 5.5 (R-31.25)

Calculated according to the rules of Part 11 "Energy Efficiency" in Chapter
 of Quebec Building Code.

Brick cladding: effective R-value = RSI 4.7 (R-26.67) Total R-value: RSI 5.46 (R-31.03)
 Vinyl siding: effective R-value = RSI 4.89 (R-27.74) Total R-value: RSI 5.5 (R-31.25)

Calculated according to the rules of NOVOclimat 2.0 energy efficiency program