

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 ECO4 38 mm (1.5 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.

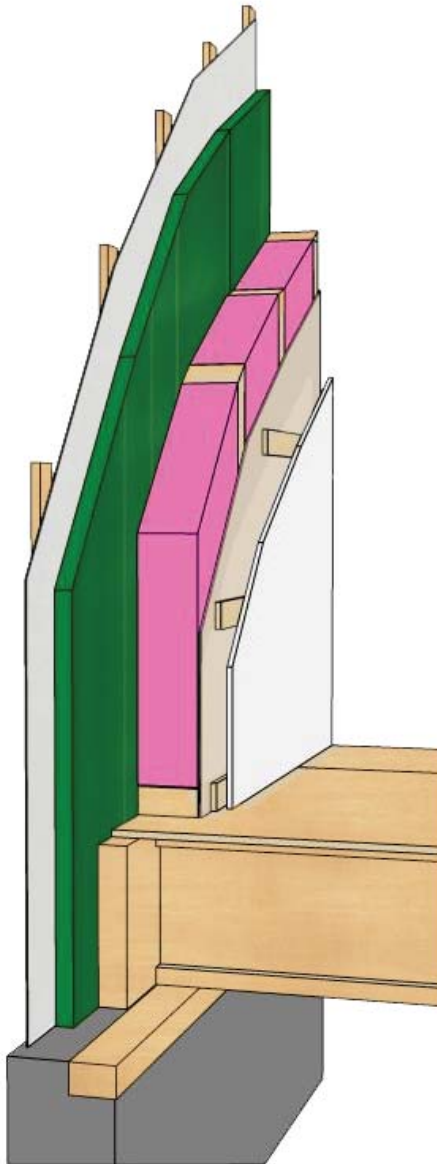
** A weather barrier must be used on the SONOclimat ECO4 panels and must have a water vapor permeability, equal to (25.6 perms) or higher than the SONOclimat ECO4.

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



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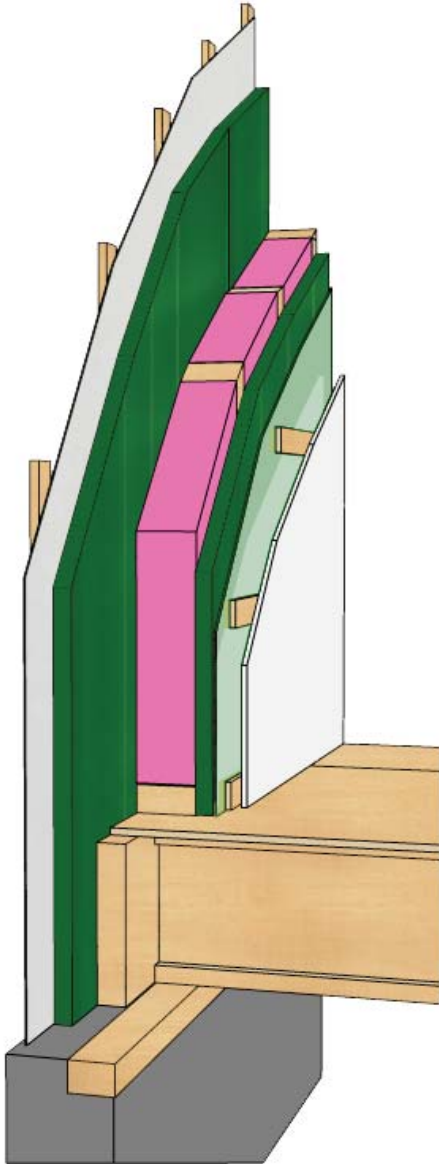
** A weather barrier must be used on the SONOclimat ECO4 panels and must have a water vapor permeability, equal to (25.6 perms) or higher than the SONOclimat ECO4.

Brick cladding: effective R value = RSI 4.72 (R-26.83) Total R-value: RSI 5.24 (R-29.73)
Vinyl siding: effective R value = RSI 4.76 (R-27.05) Total R-value: RSI 5.27 (R-29.95)

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

Brick cladding: effective R value = RSI 4.62 (R-26.22) Total R-value: RSI 5.24 (R-29.73)
Vinyl siding: effective R value = RSI 4.66 (R-26.44) Total R-value: RSI 5.27 (R-29.95)

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Insulation wool batts 140 mm (5.5 in)	22.00	3.87
SONOclimat ECO4 38 mm (1.5 in)	4.00	4.00
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
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Brick cladding: effective R value = RSI 5,43 (R-30.83) Total R-value: RSI 5.94 (R-33.73)
 Vinyl siding: effective R value = RSI 5.29 (R-31.05) Total R-value: RSI 5.98 (R-33.95)

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

Brick cladding: effective R value = RSI 5.32 (R-30.22) Total R-value: RSI 5.94 (R-33.73)
 Vinyl siding: effective R value = RSI 5.36 (R-30.44) Total R-value: RSI 5.98 (R-33.95)

Calculated according to the rules of NOVOclimat 2.0 energy efficiency program