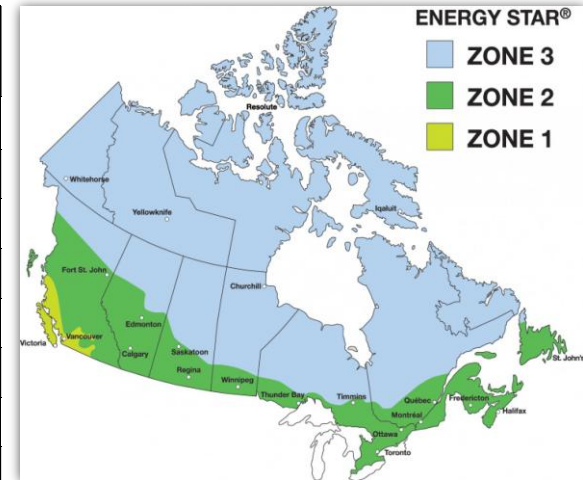




Architectural Fixed Sash - Wood - Exterior aluminum cladding

Energy Performance

Model	Details	Product Name	U-factor (W/m ² - K)	Solar heat gain (SHGC)	Energy Rating ER	ENERGY STAR zone(s) 2015	ENERGY STAR zone(s) 2010	NFRC
BFR-SG400-ARG-CL-ARG-SG400-SV	Th3□	Fixed Casement Alu/Clad	1.08	0.45	42	1 2 3	A B C D	MPE-M-32
BFR-SG400-ARG-CL-ARG-SG400-SV-SDL<1"	Th3 SDL 22mm	Fixed Casement Alu/Clad	1.08	0.4	39	1 2 3	A B C D	MPE-M-32
BFR-SG400-ARG-CL-ARG-SG400-SV-SDL>1"	Th3 SDL 40mm	Fixed Casement Alu/Clad	1.08	0.36	37	1 2 3	A B C D	MPE-M-32
BFR-SG400-ARG-CL-ARG-SG400-SV-CARR	Th3 Georgien	Fixed Casement Alu/Clad	1.08	0.4	39	1 2 3	A B C D	MPE-M-32
BFR-CL-ARG-CL-ARG-SG400-SV-SDL>1"	Th3 SDL 40mm	Fixed Casement Alu/Clad	1.25	0.42	37	1 2 3	A B C D	MPE-M-32
BFR-CL-ARG-CL-ARG-SV-SG400-SV-SDL<1"	Th3 SDL 22mm	Fixed Casement Alu/Clad	1.25	0.47	40	1 2 3	A B C D	MPE-M-32
BFR-CL-ARG-CL-ARG-SG400-SV	Th3 Sans SDL	Fixed Casement Alu/Clad	1.25	0.52	42	1 2 3	A B C D	MPE-M-32
BFR-CL-ARG-CL-ARG-SG400-SV-CARR	Th3 Georgien	Fixed Casement Alu/Clad	1.31	0.47	38	1 2 3	A B C D	MPE-M-32
BFR-CL-ARG-SG400-SV-SDL>1"	Th2 SDL 40mm	Fixed Casement Alu/Clad	1.7	0.46	29	1 2	A B C	MPE-M-32
BFR-CL-ARG-SG400-SV-SDL<1"	Th2 SDL 22mm	Fixed Casement Alu/Clad	1.7	0.51	32	1 2	A B C	MPE-M-32
BFR-CL-ARG-SG400-SV-CARR	Th2 Georgien	Fixed Casement Alu/Clad	1.7	0.51	32	1 2	A B C	MPE-M-32
BFR-CL-ARG-SG400-SV	Th2□	Fixed Casement Alu/Clad	1.7	0.57	35	1 2 3	A B C D	MPE-M-32



Th2 [3]: Double [triple] glazed insulated glass unit (two [three] glass panes) - **Georgien:** integrated grilles in double [triple] glazed insulated glass unit.

SDL : Simulated Divided Light is composed of small bars glued directly on both sides of the glass surface to simulate the appearance of true divided lites.

U-factor: (W/m²-K) The lower the U-factor, the better the ability to resist to heat transfer.

SHGC: Solar Heat Gain Coefficient, the higher the SHGC, the more the solar heat is transmitted inside.

R-value: (1 / U-factor) A high R-value indicates a better heat resistance, thus more effective insulation. The values are determined according to the procedure of the National Fenestration Rating Council (NFRC).

ER: The Energy Rating is the result of a formula taking into account the U-value, the SHGC and the airtightness of the product. The ER value measures the overall performance of a window. The higher the value, the better the product efficiency in terms of energy.

Structural Performance

PERFORMANCE TESTING IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-08								
	Performance grade (PG)	Airtightness	Water tightness	Wind load resistance	Screen resistance	Resistance to forced entry	Usability	Structural test
Aluminium Clad Wood Casement	CW-CP90-C	A3	B7	C5	S1	F20 - Successful	Successful	PES 90 (4 320 Pa)

PG: Performance Grade from the NAFS-08 harmonized standard (North American Fenestration Standard) for a given size on a scale from PG15 to PG100. The higher the value is, the better the product efficiency.

Airtightness: Resistance to air exfiltration/infiltration on a scale ranging from A1 to A3. The higher the value, the greater the sealing.

Water tightness: Resistance to water infiltration on a scale ranging from B1 to B7. The higher the value, the greater the sealing.

Wind load resistance: Resistance to wind pressures on a scale ranging from C1 to C5 without breakage or permanent deformation. The higher the value, the greater the resistance.

Screen resistance: Resistance rating without damage or permanent deformation while remaining firmly attached to the window under a force of 60 Newtons outwards.

Resistance to forced entry: Capacity when locked to withstand a forced entry under specified load and conditions for a rating of F10 or F20. The higher the value, the greater the resistance.

Usability: Test for measuring the force required to initiate and maintain the opening movement of the window or the door.

Structural test: Structural test pressure (STP) [greater than values specified in pounds per square foot (psf) or in pascals (Pa)] supported before permanent deformation measured on the jamb of the sash. Maximum values indicated.