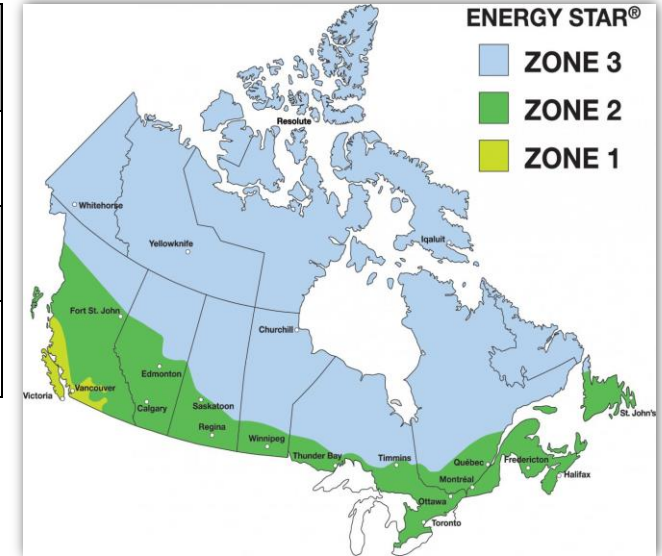




Double Hung Windows- Wood - Exterior aluminum cladding

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
GDBR-CL-ARG-S400	Th2	Wood Double Hung Alu/Clad	1.82	0.53	30	1 2	A B C	MPE-M-3
GDBR-ARG-S400-SMALLSDL	Th2 SDL 22mm	Wood Double Hung Alu/Clad	1.82	0.47	27	1	A B	MPE-M-3
GDBR-CL-ARG-S400-GEOR	Th2 Georgian	Wood Double Hung Alu/Clad	1.82	0.47	27	1	A B	MPE-M-3



Th2: Double glazed insulated glass unit (two glass panes) - **Georgian:** integrated grilles in double 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
Double Hung Windows - Wood Exterior aluminum cladding	R-CP40-H	A3	B7	C3	S1	F20	Successful	PES30 (1440 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.