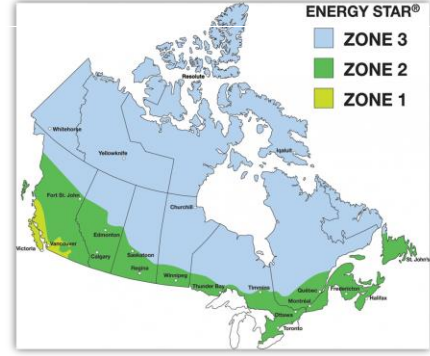




Steel Doors

Energy Performance

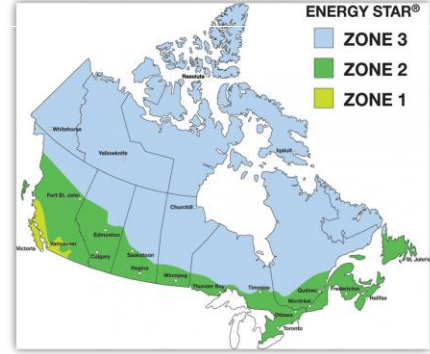


Model Direct link to ENERGY STAR site	Détails	Product	U -factor (W / m ² - K)	Solar heat gain (SHGC)	Energy Rating ER	ENERGY STAR zone(s) 2015	ENERGY STAR zone(s) 2010	NFRC
VS-PORTE(SANSFENÊTRE/DOOR(NOLITE)	No Thermos	Steel Door (Verre Sélect)	0.79	0.01	23	1 2 3	A B C D	MPE-M-9
PORTE/DOOR-SANS-FENÊTRES/NO-GLASS	No Thermos	Steel Door	0.79	0.01	23	1 2 3	A B C D	MPE-M-9
VA-LQ-TRIPLE,LOW-E,1"	Th3, 1/4 Glass	Steel Door (Vitre-Art)	1.02	0.09	22	1 2 3	A B C D	MPE-M-9
VA-LQ-VITRAIL/CAMING,LOW-E,1.75"	Th3, 1/4 Glass	Steel Door (Vitre-Art)	1.02	0.08	22	1 2 3	A B C D	MPE-M-9
LQ-TRIPLE,LOWE	Th3, 1/4 Glass	Steel Door	1.02	0.09	22	1 2 3	A B C D	MPE-M-9
VS-SANSFENÊTRE/NOLITE-EXEC	No Thermos	Steel Door (Verre Sélect)	1.02	0.01	18	1 2 3	A B C D	MPE-M-9
VA-LQ-TRIPLE,LOW-E,1.75"	Th3, 1/4 Glass	Steel Door (Vitre-Art)	1.02	0.09	22	1 2 3	A B C D	MPE-M-9
VS-LQ-ZARG-LOF-VITRAUX/STAINED	Th3, 1/4 Glass	Steel Door/ Steel Door (Verre Sélect)	1.02	0.08	22	1 2 3	A B C D	MPE-M-9
VA-LQ-VITRAIL/CAMING,LOW-E,1.75"	Th3, 1/4 Glass	Steel Door (Vitre-Art)	1.02	0.08	22	1 2 3	A B C D	MPE-M-9
LQ-VITRAIL/STAINED,LOWE	Th3, 1/4 Glass	Steel Door	1.02	0.08	22	1 2 3	A B C D	MPE-M-9
VS-LQ-CL-ARG-LOF,3MM	Th2, 1/4 Glass	Steel Door (Verre Sélect)	1.08	0.1	22	1 2 3	A B C D	MPE-M-9
LQ-DOUBLE,LOWE	Th2, 1/4 Glass	Steel Door	1.08	0.1	22	1 2 3	A B C D	MPE-M-9
VS-LQ-CL-ARG-LOF,6MM	Th2, 1/4 Glass	Steel Door (Verre Sélect)	1.08	0.09	21	1 2 3	A B C D	MPE-M-9
VS-LQ-2AIR-VITRAUX/STAINED	Th3, 1/4 Glass	Steel Door (Verre Sélect)	1.08	0.08	20	1 2 3	A B C D	MPE-M-9
VA-LQ-DOUBLE,LOW-E,1"	Th3, 1/4 Glass	Steel Door (Vitre-Art)	1.08	0.1	22	1 2 3	A B C D	MPE-M-9
LQ-DOUBLE,LOWE,CARR/GRILLES	GlassVerre	Steel Door	1.08	0.09	21	1 2 3	A B C D	MPE-M-9
VS-LQ-CL-ARG-LOF,6MM,CARR/GRILLS	Th2, Georgian 1/4 Glass	Steel Door (Verre Sélect)	1.08	0.08	20	1 2 3	A B C D	MPE-M-9
VS-LQ-CL-ARG-LOF,3MM,CARR/GRILLS	Th2, Georgian 1/4 Glass	Steel Door (Verre Sélect)	1.08	0.09	21	1 2 3	A B C D	MPE-M-9
VS-LQ-CL-ARG-LOF,3MM,FF/WI	Th2, 1/4 Glass	Steel Door (Verre Sélect)	1.08	0.09	21	1 2 3	A B C D	MPE-M-9
LH-VITRAIL/STAINED,LOWE	Th3, 1/2 Glass	Steel Door	1.14	0.14	23	1 2 3	A B C D	MPE-M-9
VA-LH-TRIPLE,LOW-E,1.75"	Th3, 1/2 Glass	Steel Door (Vitre-Art)	1.14	0.16	24	1 2 3	A B C D	MPE-M-9
VA-LH-VITRAIL/CAMING,LOW-E,1.75"	Th3, 1/2 Glass	Steel Door (Vitre-Art)	1.14	0.14	23	1 2 3	A B C D	MPE-M-9
LH-TRIPLE,LOWE	Th3, 1/2 Glass	Steel Door	1.14	0.16	24	1 2 3	A B C D	MPE-M-9
LQ-DOUBLE-CL	Th2, 1/4 Glass	Steel Door	1.19	0.11	20	1 2 3	A B C D	MPE-M-9
VS-LH-ZARG-LOF-VITRAUX/STAINED	Th3, 1/2 Glass	Steel Door (Verre Sélect)	1.19	0.14	21	1 2 3	A B C D	MPE-M-9
LQ-DOUBLE-CL-CARR/GRILLES	Th2, Georgian 1/4 Glass	Steel Door	1.19	0.09	19	1 2 3	A B C D	MPE-M-9
VA-LH-TRIPLE,LOW-E,1"	Th3, 1/2 Glass	Steel Door (Vitre-Art)	1.19	0.16	23	1 2 3	A B C D	MPE-M-9
VA-LH-VITRAIL/CAMING,LOW-E,1.75"	Th3, 1/2 Glass	Steel Door (Vitre-Art)	1.19	0.14	21	1 2 3	A B C D	MPE-M-9
LH,Q550,LOWE	Th2, 1/2 Glass	Steel Door	1.25	0.16	21	1 2	A B C	MPE-M-9
LH,ELEVATION,LOWE,CARR/GRILLES	Th2, Georgian 1/2 Glass	Steel Door	1.25	0.14	20	1 2	A B C	MPE-M-9
LH,Q550,LOWE,CARR/GRILLES	Th2, Georgian 1/2 Glass	Steel Door	1.25	0.14	20	1 2	A B C	MPE-M-9
LT,TRIPLE,LOWE	Th3, 3/4 Glass	Steel Door	1.25	0.21	24	1 2	A B C	MPE-M-9
LT,VITRAIL/STAINED,LOWE	Th3, 3/4 Glass	Steel Door	1.25	0.18	22	1 2	A B C	MPE-M-9
VA-LT-VITRAIL/CAMING,LOW-E,1.75"	Th3, 3/4 Glass	Steel Door (Vitre-Art)	1.25	0.18	22	1 2	A B C	MPE-M-9
LH,DOUBLE,LOWE	Th2, 1/2 Glass	Steel Door	1.25	0.19	23	1 2	A B C	MPE-M-9
LH,DOUBLE,LOWE,CARR/GRILLES	Th2, Georgian 1/2 Glass	Steel Door	1.25	0.16	21	1 2	A B C	MPE-M-9
VA-LT-TRIPLE,LOW-E,1.75"	Th3, 3/4 Glass	Steel Door (Vitre-Art)	1.25	0.21	24	1 2	A B C	MPE-M-9
VS-LQ-ZARG-LOF-VITRAUX/STAINED-EXEC	Th3, 1/4 Glass	Steel Door (Verre Sélect)	1.25	0.08	17	1 2	A B C	MPE-M-9
LH,Q550,LOWE,RAIN,VGROOVED/THERM	Th2, 1/2 Glass Opening	Steel Door	1.25	0.16	21	1 2	A B C	MPE-M-9



Steel Doors

Energy Performance

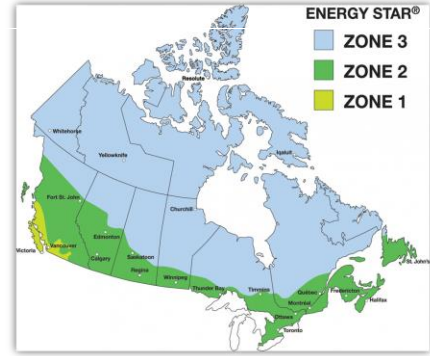


LH.ELEVATION.LOWE	Th2, Georgian 1/2 Glass Opening	Steel Door	1.25	0.16	21	1 2	A B C	MPE-M-9
LH.DOUBLE.LOWE.ELEVATION.RAIN/VGROOVED/THERM	Th2, 1/2 Glass Venting	Steel Door	1.25	0.16	21	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.3MM.FF/WI	Th2, 1/2 Glass	Steel Door (Verre Sélect)	1.31	0.16	20	1 2	A B C	MPE-M-9
VS-LQ-CL-ARG-LOF.3MM-EXEC	Th2, 1/4 Glass	Steel Door (Verre Sélect)	1.31	0.1	16	1 2	A B C	MPE-M-9
VS-LQ-CL-ARG-LOF.6MM-EXEC	Th2, 1/4 Glass	Steel Door (Verre Sélect)	1.31	0.09	16	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.6MM.CARR/GRILLS	Th2, Georgian 1/2 Glass	Steel Door (Verre Sélect)	1.31	0.15	19	1 2	A B C	MPE-M-9
VA-LT-VITRAIL/CAMING.LOW-E.1"	Th3, 3/4 Glass	Steel Door (Vitre-Art)	1.31	0.18	21	1 2	A B C	MPE-M-9
VS-LQ-CL-ARG-LOF.3MM.FF/WI-EXEC	Th2, 1/4 Glass	Steel Door (Verre Sélect)	1.31	0.09	16	1 2	A B C	MPE-M-9
VA-LH-DOUBLE.LOW-E.1"	Th2, 1/2 Glass	Steel Door (Vitre-Art)	1.31	0.18	21	1 2	A B C	MPE-M-9
LH.Q470.LOWE.CARR/GRILLES	Th2, Georgian 1/2 Glass Opening	Steel Door	1.31	0.14	19	1 2	A B C	MPE-M-9
VS-LQ-2AIR-VITRAUX/STAINED-EXEC	Th3, 1/4 Glass	Steel Door (Verre Sélect)	1.31	0.08	15	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.3MM.CARR/GRILLS	Th2, Georgian 1/2 Glass	Steel Door (Verre Sélect)	1.31	0.16	20	1 2	A B C	MPE-M-9
VS-LH-2ARG-LOF-VITRAUX/STAINED-EXEC	Th3, 1/2 Glass	Steel Door (Verre Sélect)	1.31	0.14	19	1 2	A B C	MPE-M-9
LH-STORE/BLINDS.LOW-E	Th2, 1/2 Glass	Steel Door	1.31	0.17	21	1 2	A B C	MPE-M-9
VA-LT-TRIPLE.LOW-E.1"	Th3, 3/4 Glass	Steel Door (Vitre-Art)	1.31	0.21	23	1 2	A B C	MPE-M-9
VS-LQ-CL-ARG-LOF.6MM.CARR/GRILLS-EXEC	Th2, Georgian 1/4 Glass	Steel Door (Verre Sélect)	1.31	0.08	15	1 2	A B C	MPE-M-9
VS-LH-2AIR-VITRAUX/STAINED	Th2, Vitrail 1/2 Glass	Steel Door (Verre Sélect)	1.31	0.15	19	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.3MM	Th2, 1/2 Glass	Steel Door (Verre Sélect)	1.31	0.18	21	1 2	A B C	MPE-M-9
VS-LQ-CL-ARG-LOF.3MM.CARR/GRILLS-EXEC	Th2, Georgian 1/4 Glass	Steel Door (Verre Sélect)	1.31	0.09	16	1 2	A B C	MPE-M-9
LH.Q470.LOWE	Th2, 1/2 Glass	Steel Door	1.31	0.16	20	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.6MM	Th2, 1/2 Glass	Steel Door (Verre Sélect)	1.31	0.17	21	1 2	A B C	MPE-M-9
VS-LT-2ARG-LOF-VITRAUX/STAINED	Th3, Vitrail 3/4 Glass	Steel Door (Verre Sélect)	1.31	0.18	21	1 2	A B C	MPE-M-9
LT.Q550.LOWE.RAIN/VGROOVED/THERM	Th2, 3/4 Glass Opening	Steel Door	1.36	0.2	21	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.3MM-EXEC	Th2, 1/2 Glass	Steel Door (Verre Sélect)	1.36	0.18	20	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.3MM.CARR/GRILLS-EXEC	Th2, Georgian 1/2 Glass	Steel Door (Verre Sélect)	1.36	0.16	19	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.3MM.FF/WI-EXEC	Th2, 1/2 Glass	Steel Door (Verre Sélect)	1.36	0.16	19	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.6MM.CARR/GRILLS-EXEC	Th2, Georgian 1/2 Glass	Steel Door (Verre Sélect)	1.36	0.15	18	1 2	A B C	MPE-M-9
VS-LH-CL-ARG-LOF.6MM-EXEC	Th2, 1/2 Glass	Steel Door (Verre Sélect)	1.36	0.17	19	1 2	A B C	MPE-M-9
LT.DOUBLE.LOWE.ELEVATION.RAIN/VGROOVED/THERM	Th2, 3/4 Glass Opening	Steel Door	1.36	0.2	21	1 2	A B C	MPE-M-9
LT.Q550.LOWE	Th2, 3/4 Glass Opening	Steel Door	1.36	0.21	22	1 2	A B C	MPE-M-9
LT.DOUBLE.LOWE	Th2, 3/4 Glass	Steel Door	1.36	0.25	24	1 2	A B C	MPE-M-9
LT.ELEVATION.LOWE.CARR/GRILLES	Th2, Georgian 3/4 Glass Opening	Steel Door	1.36	0.18	20	1 2	A B C	MPE-M-9
VA-LF-VITRAIL/CAMING.LOW-E.1.75"	Th3, Complete Glass	Steel Door (Vitre-Art)	1.36	0.24	23	1 2	A B C	MPE-M-9
LT.Q550.LOWE.CARR/GRILLES	Th2, Georgian 3/4 Glass Opening	Steel Door	1.36	0.18	20	1 2	A B C	MPE-M-9
LF.TRIPLE.LOWE	Th3, Complete Glass	Steel Door	1.36	0.28	26	1 2	A B C	MPE-M-9
LT.ELEVATION.LOWE	Th2, 3/4 Glass Opening	Steel Door	1.36	0.21	22	1 2	A B C	MPE-M-9
VS-LT-2ARG-LOF-VITRAUX/STAINED-EXEC	Th2, Vitrail 3/4 Glass	Steel Door (Verre Sélect)	1.36	0.18	20	1 2	A B C	MPE-M-9
LT.DOUBLE.LOWE.CARR/GRILLES	Th2, Georgian 3/4 Glass	Steel Door	1.36	0.22	22	1 2	A B C	MPE-M-9
LH.Q550.DOUBLE-CL.RAIN/VGROOVED/THERM	Th2, 1/2 Glass Opening	Steel Door	1.42	0.16	18	1 2	A B C	MPE-M-9
LF.VITRAIL/STAINED.LOWE	Th3, Vitrail Complete Glass	Steel Door	1.42	0.24	22	1 2	A B C	MPE-M-9
VS-LT-CL-ARG-LOF.3MM.CARR/GRILLS	Th2, Georgian 3/4 Glass	Steel Door (Verre Sélect)	1.42	0.21	20	1 2	A B C	MPE-M-9



Steel Doors

Energy Performance



VS-LT-CL-ARG-LOF,6MM,CARR/GRILLES	Th2, Georgian 3/4 Glass	Steel Door (Verre Sélect)	1.42	0.2	20	1 2	A B C	MPE-M-9
LH-ELEVATION,DOUBLE-CL	Th2, 1/2 Glass Opening	Steel Door	1.42	0.16	18	1 2	A B C	MPE-M-9
VS-LT-CL-ARG-LOF,3MM	Th2, 3/4 Glass	Steel Door (Verre Sélect)	1.42	0.24	22	1 2	A B C	MPE-M-9
VA-LT-DOUBLE,LOW-E,1"	Th2, 3/4 Glass	Steel Door (Vitre-Art)	1.42	0.24	22	1 2	A B C	MPE-M-9
LH,Q550,DOUBLE-CL,CARR/GRILLES	Th2, Georgian 1/2 Glass Opening	Steel Door	1.42	0.14	16	1 2	A B C	MPE-M-9
LF-DOUBLE,LOWE,N300/N600/N700	Th2, Complete Glass	Steel Door	1.42	0.33	27	1 2	A B C	MPE-M-9
VS-LT-CL-ARG-LOF,3MM,FF/WI	Th2, 3/4 Glass	Steel Door (Verre Sélect)	1.42	0.21	20	1 2	A B C	MPE-M-9
LH,Q550,DOUBLE-CL	Th2, 1/2 Glass Opening	Steel Door	1.42	0.16	18	1 2	A B C	MPE-M-9
LH-ELEVATION,DOUBLE-CL,CARR/GRILLES	Th2, Georgian 1/2 Glass Opening	Steel Door	1.42	0.14	16	1 2	A B C	MPE-M-9
VS-LT-CL-ARG-LOF,6MM	Th2, 3/4 Glass	Steel Door (Verre Sélect)	1.42	0.22	21	1 2	A B C	MPE-M-9
LF-DOUBLE,LOWE,CARR/GRILLE,N300/N600/N700	Th2, Georgian Complete Glass	Steel Door	1.42	0.29	25	1 2	A B C	MPE-M-9
LH,DOUBLE,RAIN/VGROOVED/THERM,ELEVATION	Th2, 1/2 Glass Opening	Steel Door	1.42	0.16	18	1 2	A B C	MPE-M-9
VS-LH-ZAIR-VITRAUX/STAINED-EXEC	Th3, Vitrail 1/2 Glass	Steel Door (Verre Sélect)	1.42	0.15	17	1 2	A B C	MPE-M-9
VA-LF-TRIPLE,LOW-E,1.75"	Th3, Complete Glass	Steel Door (Vitre-Art)	1.42	0.28	24	1 2	A B C	MPE-M-9

Th2 [3]: Double [Triple] glazed insulated glass unit (two [three] glass panes). - **Georgian:** 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 (with or without spacers in the glass 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	Resistance to forced entry	Usability	Structural test
Steel Door	LC-CP45-SHD	A3	B5	C3	Successful	Successful	PES 50

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.