

POLARDOR ENTRANCE DOORS:
LIBERTY - VINYL CLAD WOOD & ULTRAPRIME - ALL WOOD DOORS
PERFORMANCE DATA



DOOR	GLAZING		U-FACTOR imp (met)	SHGC	ER	NAFS	INFILTRATION AIR LEAKAGE cfm/ft ² (L/s m ²)	EXFILTRATION AIR LEAKAGE cfm/ft ² (L/s m ²)	ENERGY STAR (CANADA)	ENERGY STAR (USA)	NRCan CODE Single Door	NRCan CODE Double Door
Swing Patio Door Single (LFC)	Full Lite	13/16" NC	0.31 (1.76)	0.41	24				-	-	LFCSI-A	
	Full Lite	13/16" NC w/grills	0.31 (1.76)	0.35	20				-	-	LFCSI-B	
	Full Lite	13/16" SC	0.28 (1.59)	0.21	16		0.161 (0.819)	0.161 (0.819)	-	N, NC, SC, S	LFCSI-C	
	Full Lite	13/16" SC w/grills	0.28 (1.59)	0.18	14				-	N, NC, SC, S	LFCSI-D	
Swing Patio Door Double (LFC)	Full Lite	13/16" NC	0.31 (1.76)	0.41	23				-	-		LFCDI-A
	Full Lite	13/16" NC w/grills	0.31 (1.76)	0.35	20				-	-		LFCDI-B
	Full Lite	13/16" SC	0.28 (1.59)	0.21	15		0.161 (0.819)	0.161 (0.819)	-	N, NC, SC, S		LFCDI-C
	Full Lite	13/16" SC w/grills	0.28 (1.59)	0.18	14				-	N, NC, SC, S		LFCDI-D
Liberty/ Ultraprime Polardor Steel Skin	1/4 Lite	no grills	0.16 (0.91)	0.07	23				1, 2, 3	N, NC, SC, S	LPSI-A1Q1	LPDI-A1Q1
	1/4 Lite	grills	0.16 (0.91)	0.06	23				1, 2, 3	N, NC, SC, S	LPSI-A2Q1	LPDI-A2Q1
	1/4 Lite	decorative lite	0.18 (1.02)	0.08	21				1, 2, 3	N, NC, SC, S	LPSI-F1Q1	LPDI-F1Q1
	1/4 Lite	SB-10 no grills	0.16 (0.91)	0.05	22				1, 2, 3	N, NC, SC, S	LPSI-D1Q1	LPDI-D1Q1
	1/4 Lite	SB-10 grills	0.16 (0.91)	0.05	22				1, 2, 3	N, NC, SC, S	LPSI-D2Q1	LPDI-D2Q1
	1/2 Lite	no grills	0.19 (1.08)	0.12	22				1, 2, 3	N, NC, SC, S	LPSI-A1H1	LPDI-A1H1
	1/2 Lite	grills	0.19 (1.08)	0.11	22				1, 2, 3	N, NC, SC, S	LPSI-A2H1	LPDI-A2H1
	1/2 Lite	decorative lite	0.22 (1.25)	0.15	20				1, 2	N, NC, SC, S	LPSI-F1H1	LPDI-F1H1
	1/2 Lite	SB-10 no grills	0.18 (1.02)	0.10	22				1, 2, 3	N, NC, SC, S	LPSI-D1H1	LPDI-D1H1
	1/2 Lite	SB-10 grills	0.18 (1.02)	0.08	21	Single SHD-LC25 Double SHD-R15	Single 0.099 (0.500) Double 0.095 (0.480)	Single 0.091 (0.460) Double 0.075 (0.380)	1, 2, 3	N, NC, SC, S	LPSI-D2H1	LPDI-D2H1
	3/4 Lite	no grills	0.20 (1.14)	0.16	23				1, 2, 3	N, NC, SC, S	LPSI-A1T1	LPDI-A1T1
	3/4 Lite	grills	0.20 (1.14)	0.15	23				1, 2, 3	N, NC, SC, S	LPSI-A2T1	LPDI-A2T1
	3/4 Lite	decorative lite	0.25 (1.42)	0.20	19				1, 2	N, NC, SC, S	LPSI-F1T1	LPDI-F1T1
	3/4 Lite	SB-10 no grills	0.20 (1.14)	0.13	22				1, 2, 3	N, NC, SC, S	LPSI-D1T1	LPDI-D1T1
	3/4 Lite	SB-10 grills	0.20 (1.14)	0.11	20				1, 2, 3	N, NC, SC, S	LPSI-D2T1	LPDI-D2T1
	Full Lite	no grills	0.23 (1.31)	0.22	23				1, 2	N, NC, SC, S	LPSI-A1F1	LPDI-A1F1
	Full Lite	grills	0.23 (1.31)	0.19	21				1, 2	N, NC, SC, S	LPSI-A2F1	LPDI-A2F1
	Full Lite	decorative lite	0.28 (1.59)	0.27	20				1	N, NC	LPSI-F1F1	LPDI-F1F1
	Full Lite	SB-10 no grills	0.22 (1.25)	0.17	21				1, 2	N, NC, SC, S	LPSI-D1F1	LPDI-D1F1
	Full Lite	SB-10 grills	0.22 (1.25)	0.15	20				1, 2	N, NC, SC, S	LPSI-D2F1	LPDI-D2F1
No Glazing	-	-	0.13 (0.74)	0.01	23				1, 2, 3	N, NC, SC, S	LPSI-EM1	LPDI-EM1
Liberty/ Ultraprime Polardor Fiberglass Skin	1/4 Lite	no grills	0.18 (1.02)	0.07	21				1, 2, 3	N, NC, SC, S	UPSI-A1Q1	UPDI-A1Q1
	1/4 Lite	grills	0.18 (1.02)	0.06	20				1, 2, 3	N, NC, SC, S	UPSI-A2Q1	UPDI-A2Q1
	1/4 Lite	decorative lite	0.19 (1.08)	0.08	20				1, 2, 3	N, NC, SC, S	UPSI-F1Q1	UPDI-F1Q1
	1/4 Lite	SB-10 no grills	0.18 (1.02)	0.05	20				1, 2, 3	N, NC, SC, S	UPSI-D1Q1	UPDI-D1Q1
	1/4 Lite	SB-10 grills	0.18 (1.02)	0.05	20				1, 2, 3	N, NC, SC, S	UPSI-D2Q1	UPDI-D2Q1
	1/2 Lite	no grills	0.20 (1.14)	0.13	22				1, 2, 3	N, NC, SC, S	UPSI-A1H1	UPDI-A1H1
	1/2 Lite	grills	0.20 (1.14)	0.11	20				1, 2, 3	N, NC, SC, S	UPSI-A2H1	UPDI-A2H1
	1/2 Lite	decorative lite	0.22 (1.25)	0.15	20				1, 2	N, NC, SC, S	UPSI-F1H1	UPDI-F1H1
	1/2 Lite	SB-10 no grills	0.20 (1.14)	0.10	20				1, 2, 3	N, NC, SC, S	UPSI-D1H1	UPDI-D1H1
	1/2 Lite	SB-10 grills	0.20 (1.14)	0.09	19	Single SHD-LC25 Double SHD-R15	Single 0.099 (0.500) Double 0.095 (0.480)	Single 0.091 (0.460) Double 0.071 (0.360)	1, 2, 3	N, NC, SC, S	UPSI-D2H1	UPDI-D2H1
	3/4 Lite	no grills	0.22 (1.25)	0.17	21				1, 2	N, NC, SC, S	UPSI-A1T1	UPDI-A1T1
	3/4 Lite	grills	0.22 (1.25)	0.15	20				1, 2	N, NC, SC, S	UPSI-A2T1	UPDI-A2T1
	3/4 Lite	decorative lite	0.25 (1.42)	0.20	19				1, 2	N, NC, SC, S	UPSI-F1T1	UPDI-F1T1
	3/4 Lite	SB-10 no grills	0.22 (1.25)	0.13	19				1, 2	N, NC, SC, S	UPSI-D1T1	UPDI-D1T1
	3/4 Lite	SB-10 grills	0.22 (1.25)	0.11	18				1, 2	N, NC, SC, S	UPSI-D2T1	UPDI-D2T1
	Full Lite	no grills	0.24 (1.36)	0.22	22				1, 2	N, NC, SC, S	UPSI-A1F1	UPDI-A1F1
	Full Lite	grills	0.24 (1.36)	0.19	20				1, 2	N, NC, SC, S	UPSI-A2F1	UPDI-A2F1
	Full Lite	decorative lite	0.28 (1.59)	0.27	20				1	N, NC	UPSI-F1F1	UPDI-F1F1
	Full Lite	SB-10 no grills	0.24 (1.36)	0.17	19				1, 2	N, NC, SC, S	UPSI-D1F1	UPDI-D1F1
	Full Lite	SB-10 grills	0.24 (1.36)	0.15	18				1, 2	N, NC, SC, S	UPSI-D2F1	UPDI-D2F1
No Glazing	-	-	0.15 (0.85)	0.01	21				1, 2, 3	N, NC, SC, S	UPSI-EM1	UPDI-EM1

Standards

NAFS (North American Fenestration Standard) - This combined US and Canadian standard outlines residential performance grades that give an overall performance value of a window.
AAMA/WDMA/CSA 101/1.S.2/A440-08 and A440AS1-09

Definitions

U-Factor - a measurement of rate of heat flow through a building component. A lower number means better thermal performance.

SHGC (Solar Heat Gain Coefficient) - is the fraction of incident solar radiation admitted through a window

CR (Condensation Resistance) - is a measure of how well a window resists the formation of condensation

ER (Energy Rating) - a rating based on a Natural Resources Canada formula that combines air leakage, solar heat gain coefficient, and U-factor