



SLIDING PATIO DOOR

GLAZING PERFORMANCE - TOTAL UNIT

Clad French - O, OX/XO, OXO and OXXO
Dual-Pane Glazing



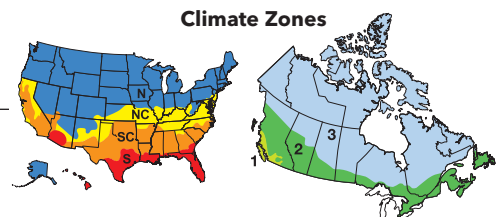
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ¹				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown								
			Ext.	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada ²				
										Zone				ER	Zone			
							N	NC	SC	S	1	2	3					
VENT																		
13/16"	Clear IG	PEL-N-237-00001-00001	3	3	air	0.42	0.48	50	48									
	with grilles-between-the-glass	PEL-N-237-00001-00002				0.42	0.48	43	48									
	with integral grilles	PEL-N-237-00156-00001				0.43	0.41	43	48									
13/16"	Advanced Low-E IG	PEL-N-237-00030-00001	3	3	argon	0.29	0.23	42	57									
	with grilles-between-the-glass	PEL-N-237-00030-00002				0.29	0.20	36	57									
	with integral grilles	PEL-N-237-00185-00001				0.30	0.20	36	57									
13/16"	SunDefense™ Low-E IG	PEL-N-237-00006-00001	3	3	argon	0.29	0.17	39	58									
	with grilles-between-the-glass	PEL-N-237-00006-00002				0.29	0.15	34	58									
	with integral grilles	PEL-N-237-00161-00001				0.32	0.15	34	58									
13/16"	AdvancedComfort Low-E IG	PEL-N-237-00014-00001	3	3	argon	0.26	0.23	41	53					19				
	with grilles-between-the-glass	PEL-N-237-00014-00002				0.26	0.20	36	53					18				
	with integral grilles	PEL-N-237-00169-00001				0.28	0.20	36	53					15				
13/16"	NaturalSun Low-E IG	PEL-N-237-00022-00001	3	3	argon	0.30	0.42	48	59					25				
	with grilles-between-the-glass	PEL-N-237-00022-00002				0.30	0.37	41	59									
	with integral grilles	PEL-N-237-00177-00001				0.31	0.37	41	59									
TINTED GLAZING																		
13/16"	Bronze Advanced Low-E IG	PEL-N-237-00038-00001	5	3	argon	0.29	0.20	27	59									
	with grilles-between-the-glass	PEL-N-237-00038-00002				0.29	0.18	23	59									
	with integral grilles	PEL-N-237-00193-00001				0.30	0.18	23	59									
13/16"	Gray Advanced Low-E IG	PEL-N-237-00042-00001	5	3	argon	0.29	0.19	24	52									
	with grilles-between-the-glass	PEL-N-237-00042-00002				0.29	0.16	20	52									
	with integral grilles	PEL-N-237-00197-00001				0.30	0.16	20	52									
13/16"	Green Advanced Low-E IG	PEL-N-237-00046-00001	5	3	argon	0.29	0.23	37	52									
	with grilles-between-the-glass	PEL-N-237-00046-00002				0.29	0.20	32	52									
	with integral grilles	PEL-N-237-00201-00001				0.30	0.20	32	52									
HIGH ALTITUDE GLAZING																		
13/16"	Advanced Low-E IG	PEL-N-237-00029-00001	3	3	air	0.32	0.23	42	55									
	with grilles-between-the-glass	PEL-N-237-00029-00002				0.32	0.20	36	55									
	with integral grilles	PEL-N-237-00184-00001				0.33	0.20	36	55									
13/16"	SunDefense Low-E IG	PEL-N-237-00005-00001	3	3	air	0.32	0.17	39	54									
	with grilles-between-the-glass	PEL-N-237-00005-00002				0.32	0.15	34	54									
	with integral grilles	PEL-N-237-00160-00001				0.32	0.15	34	54									
13/16"	AdvancedComfort Low-E IG	PEL-N-237-00013-00001	3	3	air	0.28	0.23	41	49					17				
	with grilles-between-the-glass	PEL-N-237-00013-00002				0.28	0.20	36	49					15				
	with integral grilles	PEL-N-237-00168-00001				0.30	0.20	36	50									
13/16"	NaturalSun Low-E IG	PEL-N-237-00021-00001	3	3	air	0.33	0.42	48	55									
	with grilles-between-the-glass	PEL-N-237-00021-00002				0.33	0.37	41	55									
	with integral grilles	PEL-N-237-00176-00001				0.33	0.37	41	55									

R-Value = 1/U-Factor
SHGC = Solar Heat Gain Coefficient
VLT % = Visible Light Transmission
CR = Condensation Resistance
ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2015 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





SLIDING PATIO DOOR

GLAZING PERFORMANCE - TOTAL UNIT
 Clad French - O, OX/XO, OXO and OXXO
 Triple-Pane Glazing



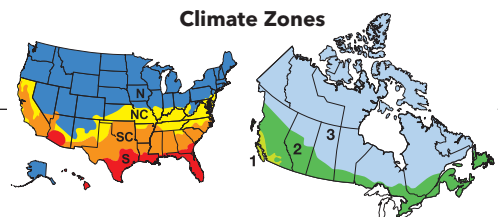
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values ¹				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown									
			Ext.	Mid.	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada ²					
											Zone				ER	Zone				
											N	NC	SC	S				1	2	3
1"	Advanced Low-E IG	PEL-N-237-00088-00001	4	4	4	argon	0.26	0.21	37	63					18					
	with grilles-between-the-glass	PEL-N-237-00142-00001					0.26	0.18	31	63					17					
	with integral grilles	PEL-N-237-00243-00001					0.26	0.18	31	63					17					
1"	Advanced Low-E IG	PEL-N-237-00090-00001	4	4	4	Krypton	0.25	0.21	37	64					20					
	with grilles-between-the-glass	PEL-N-237-00144-00001					0.25	0.18	31	63					18					
	with integral grilles	PEL-N-237-00245-00001					0.26	0.18	31	63					17					
1"	SunDefense™ Low-E IG	PEL-N-237-00091-00001	4	4	4	argon	0.26	0.16	34	63					15					
	with grilles-between-the-glass	PEL-N-237-00145-00001					0.26	0.14	29	63					14					
	with integral grilles	PEL-N-237-00246-00001					0.26	0.14	29	63					14					
1"	SunDefense™ Low-E IG	PEL-N-237-00093-00001	4	4	4	Krypton	0.25	0.16	34	64					17					
	with grilles-between-the-glass	PEL-N-237-00147-00001					0.25	0.14	29	64					16					
	with integral grilles	PEL-N-237-00248-00001					0.26	0.14	29	64					14					
1"	NaturalSun Low-E IG	PEL-N-237-00085-00001	4	4	4	argon	0.26	0.33	42	63					25					
	with grilles-between-the-glass	PEL-N-237-00139-00001					0.26	0.29	36	63					23					
	with integral grilles	PEL-N-237-00240-00001					0.26	0.29	36	63					23					
1"	NaturalSun Low-E IG	PEL-N-237-00087-00001	4	4	4	Krypton	0.25	0.33	42	63					26					
	with grilles-between-the-glass	PEL-N-237-00141-00001					0.26	0.29	36	63					23					
	with integral grilles	PEL-N-237-00242-00001					0.26	0.29	36	63					23					
HIGH ALTITUDE GLAZING																				
1"	Advanced Low-E IG	PEL-N-237-00089-00001	4	4	4	air	0.29	0.21	37	60					15					
	with grilles-between-the-glass	PEL-N-237-00143-00001					0.29	0.18	31	60					13					
	with integral grilles	PEL-N-237-00244-00001					0.29	0.18	31	60					13					
1"	SunDefense Low-E IG	PEL-N-237-00092-00001	4	4	4	air	0.29	0.16	34	60					12					
	with grilles-between-the-glass	PEL-N-237-00146-00001					0.29	0.14	29	60					11					
	with integral grilles	PEL-N-237-00247-00001					0.29	0.14	29	60					11					
1"	NaturalSun Low-E IG	PEL-N-237-00086-00001	4	4	4	air	0.29	0.33	42	59					22					
	with grilles-between-the-glass	PEL-N-237-00140-00001					0.30	0.29	36	59					18					
	with integral grilles	PEL-N-237-00241-00001					0.30	0.29	36	59					18					

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2015 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





SLIDING PATIO DOOR

GLAZING PERFORMANCE - TOTAL UNIT

HurricaneShield® Impact Resistant Glass
Clad French - O and OX/XO



Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ¹				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown						
			Ext.	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada ²		
										Zone				ER	Zone	
HURRICANESHIELD® LAMINATED IMPACT-RESISTANT										N	NC	SC	S	1	2	3
13/16"	Clear IG PVB	PEL-N-237-00071-00001	8	3	air	0.43	0.42	0.48	48							
	with grilles-between-the-glass	PEL-N-237-00125-00001	8	3		0.43	0.36	0.41	48							
	with integral grilles	PEL-N-237-00226-00001	8	3		0.43	0.36	0.41	49							
13/16"	Advanced Low-E IG PVB	PEL-N-237-00049-00001	8	5	argon	0.31	0.23	0.41	54							
	with grilles-between-the-glass	PEL-N-237-00103-00001	8	5		0.32	0.20	0.35	53							
	with integral grilles	PEL-N-237-00204-00001	8	5		0.32	0.20	0.35	53							
13/16"	SunDefense™ Low-E IG PVB	PEL-N-237-00057-00001	8	5	argon	0.31	0.18	0.38	55							
	with grilles-between-the-glass	PEL-N-237-00111-00001	8	5		0.32	0.16	0.33	55							
	with integral grilles	PEL-N-237-00212-00001	8	5		0.32	0.16	0.33	55							
TINTED GLAZING – LAMINATED IMPACT-RESISTANT										N	NC	SC	S	1	2	3
13/16"	Bronze IG PVB	PEL-N-237-00096-00001	8	5	air	0.43	0.34	0.36	47							
	with grilles-between-the-glass	PEL-N-237-00150-00001	8	5		0.44	0.30	0.31	47							
	with integral grilles	PEL-N-237-00251-00001	8	5		0.44	0.30	0.31	49							
13/16"	Gray IG PVB	PEL-N-237-00098-00001	8	5	air	0.43	0.33	0.33	47							
	with grilles-between-the-glass	PEL-N-237-00152-00001	8	5		0.44	0.29	0.28	47							
	with integral grilles	PEL-N-237-00253-00001	8	5		0.44	0.29	0.28	48							
13/16"	Green IG PVB	PEL-N-237-00100-00001	8	5	air	0.43	0.34	0.44	47							
	with grilles-between-the-glass	PEL-N-237-00154-00001	8	5		0.44	0.29	0.38	47							
	with integral grilles	PEL-N-237-00255-00001	8	5		0.44	0.29	0.38	49							

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2015 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

