



OUT-SWING DOOR

HURRICANESHIELD® IMPACT-RESISTANT GLASS

Glazing Performance – Total Units

Aluminum-Clad Exterior



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				
LAMINATED IMPACT-RESISTANT																	
7/8"	Clear IG PVB	PEL-N-212-03029-00001	8	5	air	0.41	0.39	0.44	44								
	with grilles-between-the-glass	PEL-N-212-03030-00001				0.42	0.33	0.38	44								
	with integral grilles	PEL-N-212-03031-00001				0.42	0.33	0.38	44								
7/8"	Advanced Low-E IG PVB	PEL-N-212-02937-00001	8	5	argon	0.29	0.21	0.38	59								
	with grilles-between-the-glass	PEL-N-212-02938-00001				0.31	0.19	0.33	57								
	with integral grilles	PEL-N-212-02939-00001				0.31	0.19	0.33	59								
7/8"	SunDefense™ Low-E IG	PEL-N-212-02981-00001	8	5	argon	0.29	0.17	0.35	59								
	with grilles-between-the-glass	PEL-N-212-02982-00001				0.31	0.15	0.30	59								
	with integral grilles	PEL-N-212-02983-00001				0.30	0.15	0.30	59								
TINTED GLAZING – LAMINATED IMPACT-RESISTANT																	
7/8"	Bronze IG PVB	PEL-N-212-03165-00001	8	5	air	0.41	0.32	0.32	44								
	with grilles-between-the-glass	PEL-N-212-03166-00001				0.42	0.27	0.27	44								
	with integral grilles	PEL-N-212-03167-00001				0.42	0.27	0.27	44								
7/8"	Gray IG PVB	PEL-N-212-03173-00001	8	5	air	0.41	0.31	0.30	44								
	with grilles-between-the-glass	PEL-N-212-03174-00001				0.42	0.27	0.25	44								
	with integral grilles	PEL-N-212-03175-00001				0.42	0.27	0.25	44								
7/8"	Green IG PVB	PEL-N-212-03181-00001	8	5	air	0.41	0.31	0.40	44								
	with grilles-between-the-glass	PEL-N-212-03182-00001				0.42	0.27	0.34	44								
	with integral grilles	PEL-N-212-03183-00001				0.42	0.27	0.34	44								

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.

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

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

Climate Zones

