

ENERGY RATINGS

Teak Woodgrain Doors (Lighthouse/Modern Collection)

Updated 09-20-2023
ENERGY STAR v7.0

MODERN FIBERGLASS: DOORS and SIDELITES LIGHTHOUSE/MODERN

Does not meet ENERGY STAR v7.0 criteria for All Zones
Does not meet ENERGY STAR v7.0 criteria for Northern Zone
Does not meet 2023 Florida Energy Code Criteria for SHGC

DOORS, TGI-M-9 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC, Example: TGI-M-9-00061-00001

Product Description
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Clear/Air/Clear (3mm/3mm) 1" IG "
Optilite/Air/Clear (3mm/3mm) 1" IG "
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "
Clear/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Clear/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG (Wrought Iron)
E270/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
E270/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "
E366/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Clear/Air/Clear (3mm/3mm) 1" IG "
Optilite/Air/Clear (3mm/3mm) 1" IG "
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "
Clear/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Clear/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG (Wrought Iron)
E270/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
E270/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "
E366/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "

SWING	Frame (Jamb)	GLAZING	1/4-LITE			1/2-LITE		
			U-factor	SHGC	VT	Lighthouse Rectangle		
IS/OS	Wood	Triple Pane: Decorative Glass	0.22	0.10	0.09	0.26	0.18	0.18
			00061-00001			00070-00001		
IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.21	0.08	0.09	0.24	0.14	0.18
			00062-00001			00071-00001		
IS/OS	Wood	Dual Pane - Clear	0.24	0.10	0.10	0.29	0.19	0.19
			00063-00001			00072-00001		
IS/OS	Wood	Dual Pane - Optilite Low E (Clear/internal Grill) Air	0.22	0.08	0.10	0.25	0.15	0.19
			00064-00001			00074-00001		
IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.22	0.08	0.08	0.25	0.13	0.17
			00065-00001			00076-00001		
IS/OS	Wood	Triple Pane: Laminated Impact Glass				0.27	0.17	0.17
						00077-00001		
IS/OS	Wood	Triple Pane: Lam Impact Optilite Low E				0.26	0.13	0.17
						00078-00001		
IS/OS	Wood	Dual Pane: Laminated Impact Glass				0.29	0.18	0.19
						00079-00001		
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E				0.25	0.15	0.19
						00081-00001		
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E Wrought Iron				0.25	0.13	0.16
						00083-00001		
IS/OS	Wood	Dual Pane - Low E270 (Clear/internal Grill) Argon	0.21	0.05	0.09	0.24	0.10	0.17
			00067-00001			00086-00001		
IS/OS	Wood	Dual Pane - Low E366 (Clear/internal Grill) Argon	0.21	0.04	0.08	0.24	0.07	0.15
			00068-00001			00088-00001		
IS/OS	Wood	Triple Pane - Low E366 (Clear/internal Grill) Argon	0.20	0.04	0.07	0.23	0.07	0.14
			00069-00001			00090-00001		
IS/OS	Wood	Triple Pane - Lam Impact Low E366 (Clear/internal Grill) Argon				0.24	0.07	0.14
						00091-00001		
IS/OS	Wood	Dual Pane: Lam Impact Low E270				0.24	0.10	0.16
						00092-00001		
IS/OS	Wood	Dual Pane: Lam Impact Low E366				0.24	0.07	0.15
						00094-00001		
IS/OS	PVC	Triple Pane: Decorative Glass	0.22	0.10	0.09	0.26	0.18	0.18
			00096-00001			00105-00001		
IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.21	0.08	0.09	0.24	0.14	0.18
			00097-00001			00106-00001		
IS/OS	PVC	Dual Pane - Clear	0.23	0.10	0.10	0.29	0.19	0.19
			00098-00001			00107-00001		
IS/OS	PVC	Dual Pane - Optilite Low E (Clear/internal Grill) Air	0.21	0.08	0.10	0.25	0.15	0.19
			00099-00001			00109-00001		
IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.21	0.08	0.08	0.25	0.13	0.17
			00100-00001			00111-00001		
IS/OS	PVC	Triple Pane: Laminated Impact Glass				0.27	0.17	0.17
						00112-00001		
IS/OS	PVC	Triple Pane: Lam Impact Optilite Low E				0.25	0.13	0.17
						00113-00001		
IS/OS	PVC	Dual Pane: Laminated Impact Glass				0.28	0.18	0.19
						00114-00001		
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E				0.24	0.15	0.19
						00116-00001		
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E Wrought Iron				0.24	0.13	0.16
						00118-00001		
IS/OS	PVC	Dual Pane - Low E270 (Clear/internal Grill) Argon	0.21	0.05	0.09	0.23	0.10	0.17
			00102-00001			00121-00001		
IS/OS	PVC	Dual Pane - Low E366 (Clear/internal Grill) Argon	0.20	0.04	0.08	0.23	0.07	0.15
			00103-00001			00123-00001		
IS/OS	PVC	Triple Pane - Low E366 (Clear/internal Grill) Argon	0.20	0.04	0.07	0.22	0.07	0.14
			00104-00001			00125-00001		
IS/OS	PVC	Triple Pane - Lam Impact Low E366 (Clear/internal Grill) Argon				0.24	0.07	0.14
						00126-00001		
IS/OS	PVC	Dual Pane: Lam Impact Low E270				0.23	0.10	0.16
						00127-00001		
IS/OS	PVC	Dual Pane: Lam Impact Low E366				0.23	0.07	0.15
						00129-00001		

Door	Glass Size	Door or Glass size
1/4 lite	≤410	208 3-Lite Small; 408 3-Lite Large
1/2 lite	≤900	525 1-Lite, 2-Lite, 4-Lite (6/8 & 8/0)
3/4 lite	≤1100	
Full lite	>1100	480 Full Lite (8/0)*
Opaque		

*For testing data please refer to the flushglazed doors full lite column on page 7.

ENERGY RATINGS

Teak Woodgrain Sidelites (Lighthouse/Modern Collection)



Updated 09-20-2023
ENERGY STAR v7.0

MODERN FIBERGLASS: DOORS and SIDELITES LIGHTHOUSE/MODERN

- Does not meet ENERGY STAR v7.0 criteria for All Zones
- Does not meet ENERGY STAR v7.0 criteria for Northern Zone
- Does not meet 2023 Florida Energy Code Criteria for SHGC

SIDELITES, TGI-M-10 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC, Example: TGI-M-10-00021-00001

Product Description
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Clear/Air/Clear (3mm/3mm) 1" IG
Optilite/Air/Clear (3mm/3mm) 1" IG "
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "
Clear/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Clear/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG (Wrought Iron)
E270/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
E270/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "
E366/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Clear/Air/Clear (3mm/3mm) 1" IG
Optilite/Air/Clear (3mm/3mm) 1" IG "
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "
Clear/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Clear/Air/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
Clear/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG "
Optilite/Air/Lami (3mm/3mm 090PVB 3mm) 1" IG (Wrought Iron)
E270/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm 090PVB 3mm) 1" IG "
E270/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "
E366/Argon/Lami (3mm/3mm 090PVB 3mm) 1" IG "

SWING	Frame (Jamb)	GLAZING	FULL LITE		
			U-factor	SHGC	VT
IS/OS	Wood	Triple Pane: Decorative Glass	0.29	0.17	0.17
IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.28	0.13	0.17
IS/OS	Wood	Dual Pane - Clear	0.32	0.19	0.19
IS/OS	Wood	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.28	0.14	0.18
IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.28	0.16	0.15
IS/OS	Wood	Triple Pane: Laminated Impact Glass	0.30	0.16	0.17
IS/OS	Wood	Triple Pane: Lam Impact Optilite Low E	0.29	0.13	0.16
IS/OS	Wood	Dual Pane: Laminated Impact Glass	0.31	0.18	0.18
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E	0.28	0.14	0.18
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E Wrought Iron	0.28	0.16	0.15
IS/OS	Wood	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.27	0.09	0.16
IS/OS	Wood	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.27	0.07	0.15
IS/OS	Wood	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.26	0.07	0.13
IS/OS	Wood	Triple Pane - Lam Impact Low E366 (Clear/Internal Grill) Argon	0.27	0.07	0.13
IS/OS	Wood	Dual Pane: Lam Impact Low E270	0.27	0.09	0.15
IS/OS	Wood	Dual Pane: Lam Impact Low E366	0.27	0.07	0.14
IS/OS	PVC	Triple Pane: Decorative Glass	0.29	0.17	0.17
IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.27	0.13	0.17
IS/OS	PVC	Dual Pane - Clear	0.31	0.19	0.19
IS/OS	PVC	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.28	0.14	0.18
IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.28	0.16	0.15
IS/OS	PVC	Triple Pane: Laminated Impact Glass	0.29	0.16	0.17
IS/OS	PVC	Triple Pane: Lam Impact Optilite Low E	0.28	0.13	0.16
IS/OS	PVC	Dual Pane: Laminated Impact Glass	0.31	0.18	0.18
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E	0.27	0.14	0.18
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E Wrought Iron	0.27	0.16	0.15
IS/OS	PVC	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.26	0.09	0.16
IS/OS	PVC	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.26	0.07	0.15
IS/OS	PVC	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.25	0.07	0.13
IS/OS	PVC	Triple Pane - Lam Impact Low E366 (Clear/Internal Grill) Argon	0.26	0.07	0.13
IS/OS	PVC	Dual Pane: Lam Impact Low E270	0.26	0.09	0.15
IS/OS	PVC	Dual Pane: Lam Impact Low E366	0.26	0.07	0.14

Sidelite	Glass Size	Sidelite or Glass size
1/4 lite	≤65	
1/2 lite	≤281	
3/4 lite	≤391	
Full lite	>391	260 Full Lite; 280 Full Lite 14", 12" (8/0)
Opaque		

ENERGY RATINGS

Mahogany Woodgrain Doors

Smooth Craftsman Doors



MAHOGANY WOODGRAIN FIBERGLASS: DOORS and SIDELITES

SMOOTH CRAFTSMAN FIBERGLASS: DOORS and SIDELITES

Updated 09-20-2023
ENERGY STAR v7.0

Does not meet ENERGY STAR v7.0 criteria for All Zones
Does not meet ENERGY STAR v7.0 criteria for Northern Zone
Does not meet 2023 Florida Energy Code Criteria for SHGC

DOORS, TGI-M-7 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC. Example: TGI-M-7-01547-00001

Product Description
Opaque Door
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
OptiLite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG "
OptiLite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG "
Clear/Air/Clear (3mm/3mm) 1" IG "
OptiLite/Air/Clear (3mm/3mm) 1" IG "
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG (Wrought Iron)
OptiLite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "
E270/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG "
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill "
Clear/Air/Clear (3mm/3mm) 1/2" IG Internal Grill "
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "
OptiLite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "
OptiLite S1.16 Lami / Air / Clear (3mm-3mm) 1" BBG-UP "
Opaque Door
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
OptiLite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG "
OptiLite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG "
Clear/Air/Clear (3mm/3mm) 1" IG "
OptiLite/Air/Clear (3mm/3mm) 1" IG "
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG (Wrought Iron)
OptiLite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "
E270/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear (3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG "
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill "
Clear/Air/Clear (3mm/3mm) 1/2" IG Internal Grill "
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "
OptiLite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "
OptiLite S1.16 Lami / Air / Clear (3mm-3mm) 1" BBG-UP "

SWING	Frame (Jamb)	GLAZING	1/4 LITE			1/2 LITE			3/4 LITE			FULL LITE		
			U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
IS/OS	Wood	Flush/Embossed	0.15	0.01	0.00									
IS/OS	Wood	Triple Pane: Decorative Glass	0.21	0.09	0.08	0.24	0.15	0.16	0.26	0.20	0.21	0.29	0.27	0.28
IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.20	0.07	0.08	0.22	0.12	0.15	0.24	0.16	0.20	0.26	0.21	0.28
IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass	0.21	0.08	0.08	0.24	0.15	0.15	0.27	0.20	0.20	0.30	0.28	0.27
IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass Low E	0.20	0.07	0.08	0.23	0.12	0.15	0.25	0.16	0.20	0.27	0.21	0.27
IS/OS	Wood	Dual Pane - Clear	0.22	0.10	0.10	0.27	0.19	0.20	0.30	0.26	0.26	0.35	0.34	0.35
IS/OS	Wood	Dual Pane - OptiLite Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.20	0.26	0.28	0.26	0.35
IS/OS	Wood	Dual Pane: Laminated Impact Glass	0.22	0.10	0.10	0.26	0.18	0.19	0.30	0.24	0.25	0.34	0.32	0.34
IS/OS	Wood	Dual Pane: Lam Impact OptiLite Low E	0.20	0.08	0.10	0.23	0.15	0.19	0.24	0.19	0.25	0.27	0.25	0.34
IS/OS	Wood	Dual Pane: Lam Impact OptiLite Low E Wrought Iron	0.20	0.07	0.09	0.23	0.13	0.16	0.24	0.17	0.22	0.27	0.22	0.29
IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.20	0.08	0.09	0.23	0.13	0.17	0.25	0.17	0.22	0.28	0.23	0.30
IS/OS	Wood	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.19	0.05	0.09	0.22	0.10	0.17	0.23	0.12	0.22	0.25	0.16	0.30
IS/OS	Wood	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.08	0.22	0.07	0.15	0.23	0.09	0.21	0.25	0.12	0.28
IS/OS	Wood	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.07	0.21	0.07	0.14	0.22	0.09	0.19	0.24	0.12	0.25
IS/OS	Wood	Triple Pane - Lam Imp Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.07	0.21	0.07	0.14	0.23	0.09	0.18	0.25	0.12	0.25
IS/OS	Wood	Dual Pane: Lam Impact Low E270	0.19	0.05	0.08	0.21	0.09	0.16	0.23	0.12	0.22	0.25	0.16	0.29
IS/OS	Wood	Dual Pane: Lam Impact Low E366	0.19	0.04	0.08	0.21	0.07	0.15	0.23	0.09	0.20	0.25	0.12	0.27
IS/OS	Wood	Dual Pane: Clear, 1/2" IG, Ext Grill	0.23	0.10	0.10									
IS/OS	Wood	Dual Pane: Clear, 1/2" IG, Int Grill	0.23	0.09	0.09									
IS/OS	Wood	Dual Pane Mini Blind (UP)							0.31	0.23	0.23			
IS/OS	Wood	Dual Pane Mini Blind Low E270 (UP)							0.26	0.11	0.19			
IS/OS	Wood	Dual Pane Mini Blind OptiLite Low E (UP)							0.29	0.20	0.26			
IS/OS	Wood	Dual Pane: Lam Imp Mini Blind OptiLite Low E (UP)							0.25	0.18	0.25			
IS/OS	PVC	Flush/Embossed	0.15	0.01	0.00									
IS/OS	PVC	Triple Pane: Decorative Glass	0.20	0.09	0.08	0.23	0.15	0.16	0.26	0.20	0.21	0.29	0.27	0.28
IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.19	0.07	0.08	0.22	0.12	0.15	0.23	0.16	0.20	0.26	0.21	0.28
IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass	0.20	0.08	0.08	0.24	0.15	0.15	0.26	0.20	0.20	0.29	0.26	0.27
IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass Low E	0.19	0.07	0.08	0.22	0.12	0.15	0.24	0.16	0.20	0.27	0.21	0.27
IS/OS	PVC	Dual Pane - Clear	0.22	0.10	0.10	0.26	0.19	0.20	0.30	0.26	0.26	0.34	0.34	0.35
IS/OS	PVC	Dual Pane - OptiLite Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.20	0.26	0.27	0.26	0.35
IS/OS	PVC	Dual Pane: Laminated Impact Glass	0.21	0.10	0.10	0.26	0.18	0.19	0.29	0.24	0.25	0.33	0.32	0.34
IS/OS	PVC	Dual Pane: Lam Impact OptiLite Low E	0.19	0.08	0.10	0.22	0.15	0.19	0.24	0.19	0.25	0.26	0.25	0.34
IS/OS	PVC	Dual Pane: Lam Impact OptiLite Low E Wrought Iron	0.20	0.07	0.09	0.22	0.13	0.16	0.24	0.17	0.22	0.26	0.22	0.29
IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.19	0.07	0.09	0.23	0.13	0.17	0.25	0.17	0.22	0.27	0.23	0.30
IS/OS	PVC	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.19	0.05	0.09	0.21	0.10	0.17	0.23	0.12	0.22	0.25	0.16	0.30
IS/OS	PVC	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.08	0.21	0.07	0.15	0.22	0.09	0.21	0.24	0.12	0.28
IS/OS	PVC	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.18	0.04	0.07	0.20	0.07	0.14	0.21	0.09	0.19	0.23	0.12	0.25
IS/OS	PVC	Triple Pane - Lam Imp Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.07	0.21	0.07	0.14	0.22	0.09	0.18	0.24	0.12	0.25
IS/OS	PVC	Dual Pane: Lam Impact Low E270	0.19	0.05	0.08	0.21	0.09	0.16	0.22	0.12	0.22	0.24	0.16	0.29
IS/OS	PVC	Dual Pane: Lam Impact Low E366	0.19	0.04	0.08	0.21	0.07	0.15	0.22	0.09	0.20	0.24	0.12	0.27
IS/OS	PVC	Dual Pane: Clear, 1/2" IG, Ext Grill	0.23	0.10	0.10									
IS/OS	PVC	Dual Pane: Clear, 1/2" IG, Int Grill	0.23	0.09	0.09									
IS/OS	PVC	Dual Pane Mini Blind (UP)							0.31	0.23	0.23			
IS/OS	PVC	Dual Pane Mini Blind Low E270 (UP)							0.25	0.11	0.19			
IS/OS	PVC	Dual Pane Mini Blind OptiLite Low E (UP)							0.29	0.20	0.26			
IS/OS	PVC	Dual Pane: Lam Imp Mini Blind OptiLite Low E (UP)							0.25	0.18	0.25			
IS/OS	PVC	Dual Pane: Lam Imp Mini Blind OptiLite Low E (UP)							0.25	0.18	0.25			

Door	Glass Size	Door or Glass size
1/4 lite	≤410	425 Craftsman Rectangle (All); 248 Center Arch
1/2 lite	≤900	550 3/4 Oval; 555 3/4 Oval Deluxe; 529 Cottage Arch
3/4 lite	≤1100	445 3/4 Lite (6/8); 445 Half Lite (8/0)
Full lite	>1100	480 Full Lite (8/0)
Opaque		All Panel Doors

ENERGY RATINGS

Mahogany Woodgrain Sidelites

Smooth Craftsman Sidelites



MAHOGANY WOODGRAIN FIBERGLASS: DOORS and SIDELITES

SMOOTH CRAFTSMAN FIBERGLASS: DOORS and SIDELITES

Updated 09-20-2023
ENERGY STAR v7.0

Does not meet ENERGY STAR v7.0 criteria for All Zones
Does not meet ENERGY STAR v7.0 criteria for Northern Zone
Does not meet 2023 Florida Energy Code Criteria for SHGC

SIDELITES, TGI-M-8 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC. Example: TGI-M-8-01615-00001

Product Description	SWING	Frame (Jamb)	GLAZING	1/4-LITE			1/2-LITE			3/4-LITE			FULL LITE		
				U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
Opaque Door	IS/OS	Wood	Flush/Embossed	0.16	0.01	0.00									
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG *	IS/OS	Wood	Triple Pane: Decorative Glass	0.18	0.02	0.02	0.23	0.09	0.09	0.24	0.12	0.12	0.27	0.16	0.16
OptiLite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.18	0.02	0.02	0.22	0.09	0.09	0.23	0.09	0.12	0.25	0.12	0.16
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass	0.18	0.02	0.01	0.23	0.09	0.09	0.25	0.12	0.12	0.27	0.15	0.16
OptiLite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass Low E	0.18	0.02	0.01	0.22	0.07	0.09	0.24	0.09	0.11	0.26	0.12	0.15
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	Wood	Dual Pane - Clear	0.19	0.03	0.02	0.24	0.11	0.10	0.27	0.14	0.14	0.30	0.19	0.19
OptiLite/Air/Clear (3mm/3mm) 1" IG *	IS/OS	Wood	Dual Pane - OptiLite Low E (Clear/Internal Grill) Air	0.18	0.02	0.02	0.22	0.08	0.10	0.24	0.11	0.14	0.26	0.14	0.18
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	Wood	Dual Pane: Laminated Impact Glass	0.19	0.03	0.02	0.24	0.10	0.10	0.26	0.13	0.14	0.29	0.18	0.18
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	Wood	Dual Pane: Lam Impact OptiLite Low E	0.18	0.02	0.02	0.22	0.08	0.10	0.23	0.11	0.13	0.25	0.14	0.18
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG (Wrought Iron)	IS/OS	Wood	Dual Pane: Lam Impact OptiLite Low E Wrought Iron	0.18	0.02	0.02	0.22	0.08	0.09	0.23	0.10	0.13	0.25	0.13	0.17
OptiLite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.18	0.02	0.02	0.22	0.08	0.10	0.24	0.10	0.13	0.26	0.14	0.17
E270/Argon/Clear (3mm/3mm) 1" IG *	IS/OS	Wood	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.18	0.02	0.02	0.21	0.05	0.09	0.23	0.07	0.12	0.24	0.09	0.16
E366/Argon/Clear (3mm/3mm) 1" IG *	IS/OS	Wood	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.18	0.01	0.02	0.21	0.04	0.08	0.23	0.05	0.11	0.24	0.07	0.15
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG *	IS/OS	Wood	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.18	0.01	0.02	0.21	0.04	0.08	0.22	0.05	0.10	0.23	0.07	0.14
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	Wood	Triple Pane - Lam Imp Low E366 (Clear/Internal Grill) Argon	0.18	0.01	0.01	0.21	0.04	0.07	0.22	0.05	0.10	0.24	0.07	0.13
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	Wood	Dual Pane: Lam Impact Low E270	0.18	0.02	0.02	0.21	0.05	0.09	0.23	0.07	0.12	0.24	0.09	0.16
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	Wood	Dual Pane: Lam Impact Low E366	0.18	0.01	0.02	0.21	0.04	0.08	0.22	0.05	0.11	0.24	0.07	0.14
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill *	IS/OS	Wood	Dual Pane: Clear, 1/2" IG, Ext Grill	0.19	0.03	0.02									
Clear/Air/Clear (3mm/3mm) 1/2" IG Internal Grill *	IS/OS	Wood	Dual Pane: Clear, 1/2" IG, Int Grill	0.19	0.02	0.02									
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP *	IS/OS	Wood	Dual Pane Mini Blind (UP)							0.27	0.11	0.10			
ODL E270/Air/Clear - DS 1-1/16" BBG-UP *	IS/OS	Wood	Dual Pane Mini Blind Low E270 (UP)							0.25	0.06	0.09			
OptiLite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP *	IS/OS	Wood	Dual Pane Mini Blind OptiLite Low E (UP)							0.29	0.11	0.14			
OptiLite S1.16 Lami / Air / Clear (3mm-3mm) 1" BBGUP *	IS/OS	Wood	Dual Pane: Lam Imp Mini Blind OptiLite Low E (UP)							0.25	0.10	0.14			
Opaque Door	IS/OS	PVC	Flush/Embossed	0.15	0.01	0.00									
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG *	IS/OS	PVC	Triple Pane: Decorative Glass	0.17	0.02	0.02	0.21	0.09	0.09	0.23	0.12	0.12	0.26	0.16	0.16
OptiLite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.17	0.02	0.02	0.21	0.07	0.09	0.22	0.09	0.12	0.24	0.12	0.16
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass	0.17	0.02	0.01	0.22	0.09	0.09	0.23	0.11	0.12	0.26	0.15	0.16
OptiLite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass Low E	0.17	0.02	0.01	0.21	0.07	0.09	0.22	0.09	0.11	0.24	0.12	0.15
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	PVC	Dual Pane - Clear	0.18	0.03	0.02	0.23	0.11	0.10	0.25	0.14	0.14	0.28	0.19	0.19
OptiLite/Air/Clear (3mm/3mm) 1" IG *	IS/OS	PVC	Dual Pane - OptiLite Low E (Clear/Internal Grill) Air	0.17	0.02	0.02	0.21	0.08	0.10	0.23	0.11	0.14	0.25	0.14	0.18
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	PVC	Dual Pane: Laminated Impact Glass	0.17	0.03	0.02	0.23	0.10	0.10	0.25	0.13	0.14	0.28	0.18	0.18
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	PVC	Dual Pane: Lam Impact OptiLite Low E	0.17	0.02	0.02	0.21	0.08	0.10	0.22	0.11	0.13	0.24	0.14	0.18
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG (Wrought Iron)	IS/OS	PVC	Dual Pane: Lam Impact OptiLite Low E Wrought Iron	0.17	0.02	0.02	0.21	0.08	0.09	0.22	0.10	0.13	0.24	0.13	0.17
OptiLite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.17	0.02	0.02	0.21	0.08	0.10	0.23	0.10	0.13	0.25	0.13	0.17
E270/Argon/Clear (3mm/3mm) 1" IG *	IS/OS	PVC	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.17	0.02	0.02	0.20	0.05	0.09	0.22	0.07	0.12	0.23	0.09	0.16
E366/Argon/Clear (3mm/3mm) 1" IG *	IS/OS	PVC	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.17	0.01	0.02	0.20	0.04	0.08	0.21	0.05	0.11	0.23	0.07	0.15
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG *	IS/OS	PVC	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.17	0.01	0.02	0.20	0.04	0.08	0.21	0.05	0.10	0.22	0.07	0.14
E366/Argon/Clear/Argon/Lami (3mm/3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	PVC	Triple Pane - Lam Imp Low E366 (Clear/Internal Grill) Argon	0.17	0.01	0.01	0.20	0.04	0.07	0.21	0.05	0.10	0.23	0.07	0.13
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	PVC	Dual Pane: Lam Impact Low E270	0.17	0.02	0.02	0.20	0.05	0.09	0.21	0.07	0.12	0.23	0.09	0.15
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm] 1" IG *	IS/OS	PVC	Dual Pane: Lam Impact Low E366	0.17	0.01	0.02	0.20	0.04	0.08	0.21	0.05	0.11	0.23	0.07	0.14
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill *	IS/OS	PVC	Dual Pane: Clear, 1/2" IG, Ext Grill	0.18	0.03	0.02									
Clear/Air/Clear (3mm/3mm) 1/2" IG Internal Grill *	IS/OS	PVC	Dual Pane: Clear, 1/2" IG, Int Grill	0.18	0.02	0.02									
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP *	IS/OS	PVC	Dual Pane Mini Blind (UP)							0.26	0.11	0.10			
ODL E270/Air/Clear - DS 1-1/16" BBG-UP *	IS/OS	PVC	Dual Pane Mini Blind Low E270 (UP)							0.24	0.06	0.09			
OptiLite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP *	IS/OS	PVC	Dual Pane Mini Blind OptiLite Low E (UP)							0.28	0.11	0.14			
OptiLite S1.16 Lami / Air / Clear (3mm-3mm) 1" BBGUP *	IS/OS	PVC	Dual Pane: Lam Imp Mini Blind OptiLite Low E (UP)							0.24	0.10	0.14			

Sidelite	Glass Size	Sidelite or Glass size
1/4 lite	≤65	
1/2 lite	≤281	148 Center Arch (10"); 145 3/4 Lite (10"); 225 Craftsman
3/4 lite	≤391	248 Center Arch (14", 12"); 245 3/4 Lite (14", 12"); 160 Full Lite
Full lite	>391	265 Full Lite (14"); 280 Full Lite 14", 12" (8/0)
Opaque		

ENERGY RATINGS

Oak Woodgrain & Smooth Doors



Updated 09-20-2023
ENERGY STAR v7.0

OAK WOODGRAIN AND SMOOTH FIBERGLASS: DOORS and SIDELITES

Does not meet ENERGY STAR v7.0 criteria for All Zones
Does not meet ENERGY STAR v7.0 criteria for Northern Zone
Does not meet 2023 Florida Energy Code Criteria for SHGC

DOOR, TGI-M-3 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC. Example: TGI-M-3-01878-00001

Product Description	SWING	Frame (Jamb)	GLAZING	1/4-LITE			1/2 LITE			3/4 LITE			FULL LITE		
				U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
Opaque Door	IS/OS	Wood	Flush/Embossed	0.16	0.01	0.00									
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass	0.19	0.09	0.08	0.21	0.15	0.16	0.23	0.20	0.21	0.25	0.27	0.28
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.19	0.07	0.08	0.21	0.12	0.15	0.22	0.16	0.20	0.23	0.21	0.28
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	Wood	Dual Pane - Clear	0.22	0.10	0.10	0.27	0.19	0.19	0.30	0.26	0.26	0.34	0.34	0.35
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.20	0.26	0.28	0.26	0.34
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.20	0.07	0.09	0.23	0.13	0.17	0.25	0.17	0.22	0.28	0.23	0.30
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.19	0.05	0.09	0.22	0.10	0.17	0.23	0.12	0.22	0.25	0.16	0.30
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.08	0.21	0.07	0.15	0.23	0.09	0.21	0.25	0.12	0.28
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.07	0.20	0.07	0.14	0.22	0.09	0.19	0.23	0.12	0.25
E270/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	Wood	Vent - LowE 270				0.22	0.08	0.14				0.26	0.15	0.26
Clear/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	Wood	Vent - Clear				0.27	0.17	0.17				0.35	0.30	0.31
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind (UP)				0.28	0.17	0.17	0.31	0.23	0.23	0.35	0.30	0.31
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Low E270 (UP)				0.24	0.09	0.14	0.26	0.11	0.19	0.29	0.15	0.26
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Optilite Low E (UP)				0.26	0.12	0.14	0.29	0.16	0.20	0.33	0.21	0.27
Opaque Door	IS/OS	PVC	Flush/Embossed	0.16	0.01	0.00									
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass	0.19	0.09	0.08	0.21	0.15	0.16	0.22	0.20	0.21	0.24	0.27	0.28
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.18	0.07	0.08	0.20	0.12	0.15	0.21	0.16	0.20	0.23	0.21	0.28
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	PVC	Dual Pane - Clear	0.21	0.10	0.10	0.26	0.19	0.19	0.29	0.26	0.26	0.34	0.34	0.35
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.19	0.08	0.10	0.22	0.15	0.19	0.24	0.20	0.26	0.27	0.26	0.34
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.19	0.07	0.09	0.22	0.13	0.17	0.24	0.17	0.22	0.27	0.23	0.30
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.19	0.05	0.09	0.21	0.10	0.17	0.22	0.12	0.22	0.24	0.16	0.30
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.08	0.21	0.07	0.15	0.22	0.09	0.21	0.24	0.12	0.28
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.18	0.04	0.07	0.20	0.07	0.14	0.21	0.09	0.19	0.22	0.12	0.25
E270/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	PVC	Vent - LowE 270				0.22	0.08	0.14				0.26	0.15	0.26
Clear/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	PVC	Vent - Clear				0.26	0.17	0.17				0.34	0.30	0.31
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind (UP)				0.27	0.17	0.17	0.30	0.23	0.23	0.35	0.30	0.31
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Low E270 (UP)				0.23	0.09	0.14	0.25	0.11	0.19	0.28	0.15	0.26
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Optilite Low E (UP)				0.26	0.12	0.14	0.29	0.16	0.20	0.32	0.21	0.27

Door	Glass Size	Door or Glass size
1/4 lite	≤410	300/400 Fanlite; 420 Craftsman Rectangle; 429 Craftsman Arch; 243 Center Arch; 150 3/4 Oval (Smooth); Metro (160 1-Lite, 206 3-Lite Mix, 3-Lite Stairs, 3-Lite Straight, 3-Lite Zag, 4-Lite Straight, 5-Lite Straight, 6-Lite Straight, 232 3-Lite Narrow, 236 3-Lite Narrow, 310: 1-Lite, 3-Lite, 4-Lite Diamond and Square)
1/2 lite	≤900	330/430 Half Lite; 439 Half Lite Round-Top; 437 Softbrow; 230 Twin Half Lite; 258 C-Arch (8/0); 550 3/4 Oval (6/8 Oak); 156 Full Oval (6/8 Oak); 156 3/4 Oval (8/0 Oak); 350 Full Oval (6/8 Smooth); Metro (160 Twin Lite, 232 4-Lite Narrow, 236: 4-Lite, 5-Lite, 6-Lite Narrow, 420 3-Lite Craftsman)
3/4 lite	≤1100	440 3/4 Lite (6/8); 440 Half Lite (8/0); Metro (420 4-Lite Craftsman)
Full lite	>1100	460 Full Lite (6/8); 460 3/4 Lite (8/0); 469 Full Lite Round-Top; 480 Full Lite (8/0); 860 3/4 Lite (8/0)
Opaque		All Panel Doors

ENERGY RATINGS

Oak Woodgrain & Smooth Sidelites



Updated 09-20-2023
ENERGY STAR v7.0

OAK WOODGRAIN AND SMOOTH FIBERGLASS: DOORS and SIDELITES

Does not meet ENERGY STAR v7.0 criteria for All Zones
Does not meet ENERGY STAR v7.0 criteria for Northern Zone
Does not meet 2023 Florida Energy Code Criteria for SHGC

SIDELITE, TGI-M-4 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC, Example: TGI-M-4-01544-00001

Product Description	SWING	Frame (Jamb)	GLAZING	1/4-LITE			1/2 LITE			3/4 LITE			FULL LITE		
				U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
Opaque Door	IS/OS	Wood	Flush/Embossed	0.17	0.01	0.00									
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass	0.18	0.02	0.02	0.19	0.08	0.08	0.20	0.11	0.11	0.21	0.14	0.14
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.18	0.02	0.01	0.20	0.07	0.08	0.20	0.09	0.10	0.21	0.11	0.14
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	Wood	Dual Pane - Clear	0.19	0.03	0.02	0.24	0.11	0.10	0.26	0.14	0.14	0.29	0.19	0.19
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.18	0.02	0.02	0.22	0.08	0.10	0.24	0.11	0.14	0.26	0.14	0.18
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.18	0.02	0.02	0.22	0.07	0.09	0.24	0.09	0.11	0.26	0.12	0.15
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.18	0.02	0.02	0.21	0.06	0.09	0.23	0.07	0.12	0.24	0.09	0.16
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.18	0.02	0.02	0.21	0.04	0.08	0.22	0.06	0.11	0.24	0.07	0.15
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.18	0.02	0.01	0.21	0.04	0.07	0.22	0.05	0.10	0.23	0.07	0.13
E270/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	Wood	Vent - LowE 270												
Clear/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	Wood	Vent - Clear												
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind (UP)				0.25	0.08	0.07	0.27	0.11	0.10	0.30	0.12	0.11
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Low E270 (UP)				0.23	0.04	0.06	0.25	0.06	0.08	0.27	0.06	0.09
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Optilite Low E (UP)				0.26	0.05	0.05	0.29	0.07	0.07	0.33	0.09	0.09
Opaque Door	IS/OS	PVC	Flush/Embossed	0.16	0.01	0.00									
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass	0.17	0.02	0.02	0.19	0.08	0.08	0.19	0.11	0.11	0.20	0.14	0.14
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.17	0.02	0.01	0.19	0.07	0.08	0.20	0.09	0.10	0.21	0.11	0.14
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	PVC	Dual Pane - Clear	0.18	0.03	0.02	0.23	0.11	0.10	0.25	0.14	0.14	0.28	0.19	0.19
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.18	0.02	0.02	0.21	0.08	0.10	0.23	0.11	0.14	0.25	0.14	0.18
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.18	0.02	0.02	0.21	0.07	0.09	0.23	0.09	0.11	0.25	0.12	0.15
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.17	0.02	0.02	0.20	0.06	0.09	0.22	0.07	0.12	0.23	0.09	0.16
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.17	0.02	0.02	0.20	0.04	0.08	0.22	0.06	0.11	0.23	0.07	0.15
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.17	0.02	0.01	0.20	0.04	0.07	0.21	0.05	0.10	0.22	0.07	0.13
E270/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	PVC	Vent - LowE 270												
Clear/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	PVC	Vent - Clear												
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind (UP)				0.24	0.08	0.07	0.26	0.11	0.10	0.30	0.12	0.11
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Low E270 (UP)				0.22	0.04	0.06	0.25	0.11	0.19	0.26	0.06	0.09
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Optilite Low E (UP)				0.25	0.05	0.05	0.28	0.06	0.07	0.32	0.09	0.09

Sidelite	Glass Size	Sidelite or Glass size
1/4 lite	≤65	
1/2 lite	≤281	230 Half Lite; 239 Half Lite Round-Top; 243 Center Arch; Metro (206: 4-Lite, 5-Lite, 6-Lite)
3/4 lite	≤391	258 Center Arch (8/0); 240 3/4 Lite (6/8); 240 Half Lite (8/0); 160 Full Lite (6/8)
Full lite	>391	260 Full Lite (6/8); 260 3/4 Lite (8/0); 280 Full Lite 14", 12" (8/0)
Opaque		

ENERGY RATINGS

Flushglazed Oak Woodgrain & Smooth Doors (Impact/Patio)



Updated 11-14-2023
ENERGY STAR v7.0

FLUSHGLAZED OAK and SMOOTH FIBERGLASS: DOORS and SIDELITES

PROGRAMS: SMOOTH CRAFTSMAN (1"), OAK AND SMOOTH IMPACT, and PATIO DOORS

Does not meet ENERGY STAR v7.0 criteria for All Zones
Does not meet ENERGY STAR v7.0 criteria for Northern Zone
Does not meet 2023 Florida Energy Code Criteria for SHGC

DOOR, TGI-M-1 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC, Example: TGI-M-1-01203-00001

Product Description	SWING	Frame (Jamb)	GLAZING	1/4-LITE			1/2 LITE			3/4 LITE			FULL LITE		
				U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass	0.21	0.09	0.08	0.25	0.15	0.16	0.27	0.20	0.21	0.30	0.27	0.28
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.20	0.07	0.08	0.23	0.12	0.15	0.25	0.16	0.20	0.27	0.21	0.28
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass	0.21	0.08	0.08	0.25	0.15	0.15	0.27	0.20	0.20	0.31	0.26	0.27
Optilite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass Low E	0.21	0.07	0.08	0.23	0.12	0.15	0.26	0.16	0.20	0.28	0.21	0.27
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	Wood	Dual Pane - Clear	0.23	0.10	0.10	0.28	0.19	0.19	0.31	0.26	0.26	0.36	0.34	0.35
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.21	0.08	0.10	0.24	0.15	0.19	0.26	0.20	0.26	0.29	0.26	0.34
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Laminated Impact Glass	0.22	0.10	0.10	0.27	0.18	0.19	0.30	0.24	0.25	0.35	0.32	0.34
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.19	0.25	0.28	0.25	0.33
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG (Wrought Iron)	IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E Wrought Iron	0.20	0.07	0.09	0.23	0.13	0.16	0.25	0.17	0.22	0.28	0.22	0.29
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.21	0.07	0.09	0.24	0.13	0.17	0.26	0.17	0.22	0.29	0.23	0.30
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.20	0.05	0.09	0.22	0.10	0.17	0.24	0.13	0.22	0.26	0.16	0.30
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.20	0.04	0.08	0.22	0.07	0.15	0.24	0.10	0.21	0.26	0.12	0.28
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.07	0.21	0.07	0.14	0.23	0.09	0.19	0.24	0.12	0.25
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Lam Impact Low E270	0.20	0.05	0.08	0.22	0.09	0.16	0.24	0.12	0.22	0.26	0.16	0.29
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Lam Impact Low E366	0.20	0.04	0.08	0.22	0.07	0.15	0.24	0.09	0.20	0.26	0.12	0.27
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind (UP)				0.28	0.17	0.17	0.32	0.23	0.23	0.37	0.30	0.31
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Low E270 (UP)				0.25	0.09	0.14	0.27	0.11	0.19	0.30	0.15	0.26
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Optilite Low E (UP)										0.34	0.22	0.27
Lami / Air / Optilite S1.16 (3mm) [090PVB] 3mm/3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane: Lam Imp Mini Blind Optilite LowE (UP)										0.33	0.21	0.26
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass	0.21	0.09	0.08	0.24	0.15	0.16	0.26	0.20	0.21	0.30	0.27	0.28
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass Low E	22.00	0.07	0.08	0.22	0.12	0.15	0.24	0.16	0.20	0.27	0.21	0.28
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass	0.21	0.08	0.08	0.24	0.15	0.15	0.27	0.20	0.20	0.30	0.26	0.27
Optilite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass Low E	0.20	0.07	0.08	0.23	0.12	0.15	0.25	0.16	0.20	0.28	0.21	0.27
Clear/Air/Clear (3mm/3mm) 1" IG	IS/OS	PVC	Dual Pane - Clear	0.22	0.10	0.10	0.27	0.19	0.19	0.31	0.26	0.26	0.35	0.34	0.35
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.20	0.26	0.28	0.26	0.34
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Laminated Impact Glass	0.22	0.10	0.10	0.27	0.18	0.19	0.30	0.24	0.25	0.34	0.32	0.34
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.19	0.25	0.27	0.25	0.33
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG (Wrought Iron)	IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E Wrought Iron	0.20	0.07	0.09	0.23	0.13	0.16	0.25	0.17	0.22	0.27	0.22	0.29
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.20	0.07	0.09	0.23	0.13	0.17	0.25	0.17	0.22	0.28	0.23	0.30
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.19	0.05	0.09	0.22	0.10	0.17	0.23	0.13	0.22	0.26	0.16	0.30
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.08	0.22	0.07	0.15	0.23	0.10	0.21	0.25	0.12	0.28
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.07	0.21	0.07	0.14	0.22	0.09	0.19	0.24	0.12	0.25
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Lam Impact Low E270	0.19	0.05	0.08	0.21	0.09	0.16	0.23	0.12	0.22	0.25	0.16	0.29
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Lam Impact Low E366	0.19	0.04	0.08	0.21	0.07	0.15	0.23	0.09	0.20	0.25	0.12	0.27
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind (UP)				0.28	0.17	0.17	0.31	0.23	0.23	0.36	0.30	0.31
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Low E270 (UP)				0.24	0.09	0.14	0.26	0.11	0.19	0.29	0.15	0.26
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Optilite Low E (UP)										0.34	0.22	0.27
Lami / Air / Optilite S1.16 (3mm) [090PVB] 3mm/3mm) 1" BBG-UP "	IS/OS	PVC	Dual Pane: Lam Imp Mini Blind Optilite LowE (UP)										0.32	0.21	0.26

Door	Glass Size	Door or Glass size
1/4 lite	≤410	425 Craftsman Rectangle; 248 Center Arch; 150 Impact 3/4 Oval 32"
1/2 lite	≤900	330/430 Half Lite; 150 Impact 3/4 Oval 30", 32"; 550 Impact 3/4 Oval
3/4 lite	≤1100	440 3/4 Lite
Full lite	>1100	360/460 Full Lite
Opaque		All Panel Doors

ENERGY RATINGS

Flushglazed Oak Woodgrain & Smooth Sidelites (Impact/Patio)



Updated 11-14-2023
ENERGY STAR v7.0

FLUSHGLAZED OAK and SMOOTH FIBERGLASS: DOORS and SIDELITES

PROGRAMS: SMOOTH CRAFTSMAN (1"), OAK AND SMOOTH IMPACT, and PATIO DOORS

Does not meet ENERGY STAR v7.0 criteria for All Zones
Does not meet ENERGY STAR v7.0 criteria for Northern Zone
Does not meet 2023 Florida Energy Code Criteria for SHGC

SIDELITE, TGI-M-2 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC, Example: TGI-M-2-01043-00001

Product Description	SWING	Frame (Jamb)	GLAZING	1/4-LITE			1/2 LITE			3/4 LITE			FULL LITE		
				U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass	0.21	0.09	0.08	0.24	0.15	0.16	0.26	0.20	0.21	0.30	0.27	0.28
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.20	0.07	0.08	0.22	0.12	0.15	0.24	0.16	0.20	0.26	0.21	0.28
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass	0.21	0.08	0.08	0.24	0.15	0.15	0.27	0.20	0.20	0.30	0.26	0.27
Optilite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Triple Pane: Lami Impact Decorative Glass Low E	0.20	0.07	0.08	0.23	0.12	0.15	0.25	0.16	0.20	0.28	0.21	0.27
Clear/Air/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Clear	0.22	0.10	0.10	0.27	0.19	0.19	0.30	0.26	0.26	0.35	0.34	0.35
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Optilite Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.20	0.26	0.28	0.26	0.34
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Laminated Impact Glass	0.22	0.10	0.10	0.26	0.18	0.19	0.30	0.24	0.25	0.34	0.32	0.34
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.19	0.25	0.27	0.25	0.33
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG (Wrought Iron)	IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E Wrought Iron	0.20	0.07	0.09	0.23	0.13	0.16	0.25	0.17	0.22	0.27	0.22	0.29
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.20	0.07	0.09	0.23	0.13	0.17	0.25	0.17	0.22	0.28	0.23	0.30
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E270 (Clear/Internal Grill) Argon	0.19	0.05	0.09	0.22	0.10	0.17	0.23	0.12	0.22	0.26	0.16	0.30
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	Wood	Dual Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.08	0.22	0.07	0.15	0.23	0.09	0.21	0.25	0.12	0.28
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	Wood	Triple Pane - Low E366 (Clear/Internal Grill) Argon	0.19	0.04	0.07	0.21	0.07	0.14	0.22	0.09	0.19	0.24	0.12	0.25
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Lam Impact Low E270	0.19	0.05	0.08	0.21	0.09	0.16	0.23	0.12	0.22	0.25	0.16	0.29
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	Wood	Dual Pane: Lam Impact Low E366	0.19	0.04	0.08	0.21	0.07	0.15	0.23	0.09	0.20	0.25	0.12	0.27
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind (UP)				0.28	0.11	0.10	0.31	0.14	0.13	0.36	0.19	0.18
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Low E270 (UP)				0.24	0.06	0.08	0.26	0.07	0.11	0.29	0.10	0.15
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Optilite Low E (UP)							0.1097-00001			0.33	0.22	0.27
Lami / Air / Optilite S1.16 (3mm) [090PVB] 3mm/3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane: Lam Imp Mini Blind Optilite LowE (UP)										0.32	0.21	0.26
															0.1121-00001
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass				0.23	0.15	0.16	0.26	0.20	0.21	0.29	0.27	0.28
Optilite/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane: Decorative Glass Low E				0.22	0.12	0.15	0.24	0.16	0.20	0.26	0.21	0.28
Clear/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass				0.24	0.15	0.15	0.26	0.19	0.20	0.30	0.26	0.27
Optilite/Air/Deco/Air/Lami (3mm/3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Triple Pane: Lami Impact Decorative Glass Low E				0.22	0.12	0.15	0.24	0.16	0.20	0.27	0.21	0.27
Clear/Air/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Clear				0.27	0.19	0.19	0.30	0.26	0.26	0.34	0.34	0.35
Optilite/Air/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Optilite Low E (Clear/Internal Grill) Air				0.23	0.15	0.19	0.25	0.20	0.26	0.28	0.26	0.34
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Laminated Impact Glass				0.26	0.18	0.19	0.29	0.24	0.25	0.33	0.32	0.34
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E				0.22	0.14	0.19	0.24	0.19	0.25	0.27	0.25	0.33
Optilite/Air/Lami (3mm/3mm) [090PVB] 3mm) 1" IG (Wrought Iron)	IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E Wrought Iron				0.22	0.13	0.16	0.24	0.17	0.22	0.27	0.22	0.29
Optilite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	PVC	Dual Pane - Wrought Iron Low E				0.23	0.13	0.17	0.25	0.17	0.22	0.28	0.23	0.30
E270/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E270 (Clear/Internal Grill) Argon				0.21	0.10	0.17	0.23	0.12	0.22	0.25	0.16	0.30
E366/Argon/Clear (3mm/3mm) 1" IG "	IS/OS	PVC	Dual Pane - Low E366 (Clear/Internal Grill) Argon				0.21	0.07	0.15	0.23	0.09	0.21	0.25	0.12	0.28
E366/Argon/Clear/Argon/Clear (3mm/3mm/3mm) 1" IG "	IS/OS	PVC	Triple Pane - Low E366 (Clear/Internal Grill) Argon				0.20	0.07	0.14	0.21	0.09	0.19	0.23	0.12	0.25
E270/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Lam Impact Low E270				0.21	0.09	0.16	0.23	0.12	0.22	0.25	0.16	0.29
E366/Argon/Lami (3mm/3mm) [090PVB] 3mm) 1" IG "	IS/OS	PVC	Dual Pane: Lam Impact Low E366				0.21	0.07	0.15	0.22	0.09	0.20	0.24	0.12	0.27
ODL Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind (UP)				0.27	0.11	0.10	0.31	0.14	0.13	0.36	0.19	0.18
ODL E270/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Low E270 (UP)				0.23	0.06	0.08	0.26	0.07	0.11	0.29	0.10	0.15
Optilite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Optilite Low E (UP)							0.1157-00001			0.33	0.22	0.27
Lami / Air / Optilite S1.16 (3mm) [090PVB] 3mm/3mm) 1" BBG-UP "	IS/OS	PVC	Dual Pane: Lam Imp Mini Blind Optilite LowE (UP)										0.31	0.21	0.26
															0.1201-00001

Sidelite	Glass Size	Sidelite or Glass size
1/4 lite	≤65	
1/2 lite	≤281	230 Half Lite; 225 Craftsman
3/4 lite	≤391	240 3/4 Lite; 160 Full Lite 12", 10"
Full lite	>391	260 Full Lite; 280 Full Lite 14"
Opaque		



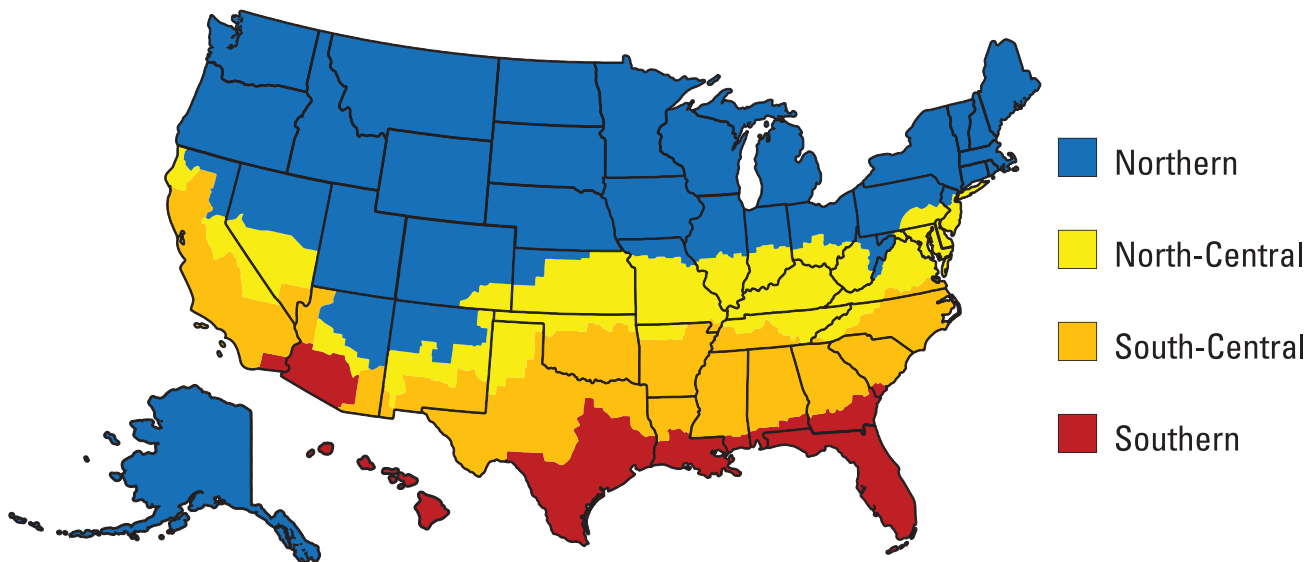
ENERGY STAR® Certification Criteria for Residential Doors

DOORS			
Glazing Level	Climate Zone	U-Factor ¹	SHGC ²
Opaque	All Zones	≤ 0.17	No Rating
≤ ½-Lite	All Zones	≤ 0.23	≤ 0.23
> ½-Lite	Northern	≤ 0.26	≤ 0.40
	North-Central		
	South-Central	≤ 0.28	≤ 0.23
	Southern		



Criteria Effective
Oct. 23, 2023

Air Leakage for Sliding Doors ≤ 0.3 cfm/ft²
 Air Leakage for Swinging Doors ≤ 0.5 cfm/ft²
¹ Btu/h·ft²·°F
² Solar Heat Gain Coefficient





Note: A complete list of ENERGY STAR Climate Zones by states and country or, where applicable, zip code is available at www.energystar.gov/products/building_products/residential_windows_doors_and_skylights/climate_zone/search

ENERGY RATINGS

Signamark NFRC Labels









TRINITY GLASS
INTERNATIONAL

Modern Fiberglass Door
In-swing (IS) and Out-swing (OS)
TGI-M-9*

ENERGY PERFORMANCE RATINGS				
Product Description	U-Factor ¹ / Solar Heat Gain Coefficient (SHGC)			
	Individual Option Number			
	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite >1100†
Default Frame** Wood				
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	— / — / —	0.26 / 0.18	— / — / —	— / — / —
	—	00070-00001	—	—
PVC Frame Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	— / — / —	0.26 / 0.18	— / — / —	— / — / —
	—	00105-00001	—	—
Air Leakage ≤0.3 cfm/ft²				
<p>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.</p> <p>* Numbers below the performance ratings are referenced in the NFRC Certified Products Directory (e.g., ABC-X-1-00001-00001 or 123-X-1-00001-00001)</p> <p>** #glazing layers / spacer type / low-e emissivity (surface) / gap fill / gap width (na=not applicable)</p> <p>*** per NFRC 100 † square inches ¹ btu/hr*ft²*F www.nfrc.org</p>				

Lighthouse 10/2023 LBETKXXX





TRINITY GLASS
INTERNATIONAL

Mahogany Fiberglass Door
In-swing (IS) and Out-swing (OS)
TGI-M-7*

ENERGY PERFORMANCE RATINGS				
Product Description**	U-Factor ¹ / Solar Heat Gain Coefficient (SHGC)			
	Individual Option Number			
	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite >1100†
Default Frame*** Wood				
Clear/Air/Deco/Air/ Clear (3mm/3mm/3mm) 1" IG "	0.21 / 0.09	— / — / —	0.26 / 0.20	— / — / —
	01548-00001	—	01584-00001	—
Optilite/Air/Deco/Air/ Clear (3mm/3mm/3mm) 1" IG "	— / — / —	0.22 / 0.12	— / — / —	— / — / —
	—	01568-00001	—	—
PVC Frame Clear/Air/Deco/Air/ Clear (3mm/3mm/3mm) 1" IG "	0.20 / 0.09	— / — / —	0.26 / 0.20	— / — / —
	01627-00001	—	01663-00001	—
PVC Frame Optilite/Air/Deco/Air/ Clear (3mm/3mm/3mm) 1" IG "	— / — / —	0.22 / 0.12	— / — / —	— / — / —
	—	01647-00001	—	—
Opaque Door 01547-00001		U-Factor ¹ 0.15	SHGC 0.01	
PVC Frame Opaque Door 01626-00001		U-Factor ¹ 0.15	SHGC 0.01	
Air Leakage ≤0.3 cfm/ft²				
<p>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.</p> <p>* Numbers below the performance ratings are referenced in the NFRC Certified Products Directory (e.g., ABC-X-1-00001-00001 or 123-X-1-00001-00001)</p> <p>** #glazing layers / spacer type / low-e emissivity (surface) / gap fill / gap width (na=not applicable)</p> <p>*** per NFRC 100 † square inches ¹ btu/hr*ft²*F www.nfrc.org</p>				



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10/2023 LBETMXXX

ENERGY RATINGS

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TRINITY GLASS
INTERNATIONAL

Premium Fiberglass Door
In-swing (IS) and Out-swing (OS)
TGI-M-3*

TRINITY GLASS
INTERNATIONAL

Craftsman Fiberglass Door
Dual Glazed – 6-Lite External Grille (1/2" Clear)
In-swing (IS) and Out-swing (OS)
TGI-M-7*

ENERGY PERFORMANCE RATINGS				
Product Description**	U-Factor ¹ / Solar Heat Gain Coefficient (SHGC)			
	Individual Option Number			
	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite >1100†
Default Frame*** Wood				
Clear/Air/Deco/Air/ Clear (3mm/3mm/3mm) 1" IG "	0.19 0.09	0.21 0.15	—	—
	01879-00001	01888-00001	—	—
Optilite/Air/Deco/Air/ Clear (3mm/3mm/3mm) 1" IG "	—	0.21 0.12	—	—
	—	01889-00001	—	—
PVC Frame Clear/Air/Deco/Air/ Clear (3mm/3mm/3mm) 1" IG "	0.19 0.09	0.21 0.15	—	—
	01938-00001	01947-00001	—	—
Opaque 01878-00001		U-Factor ¹ 0.16		SHGC 0.01
PVC Frame Opaque 01937-00001		U-Factor ¹ 0.16		SHGC 0.01
Air Leakage ≤0.3 cfm/ft ²				
<p>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.</p> <p>* Numbers below the performance ratings are referenced in the NFRC Certified Products Directory (e.g., ABC-X-1-00001-00001 or 123-X-1-00001-00001)</p> <p>** #glazing layers / spacer type / low-e emissivity (surface) / gap fill / gap width (na=not applicable)</p> <p>*** per NFRC 100 † square inches ¹ btu/hr*ft²*F</p> <p style="text-align: center;">www.nfrc.org</p>				

ENERGY PERFORMANCE RATINGS				
Product Description**	U-Factor ¹ / Solar Heat Gain Coefficient (SHGC)			
	Individual Option Number			
	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite >1100†
Default Frame*** Wood				
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grille "	0.23 0.10	—	—	—
	01565-00001	—	—	—
PVC Frame Clear/Air/Clear (3mm/3mm) 1/2" IG External Grille "	0.23 0.10	—	—	—
	01644-00001	—	—	—
Air Leakage ≤0.3 cfm/ft ²				
<p>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.</p> <p>* Numbers below the performance ratings are referenced in the NFRC Certified Products Directory (e.g., ABC-X-1-00001-00001 or 123-X-1-00001-00001)</p> <p>** #glazing layers / spacer type / low-e emissivity (surface) / gap fill / gap width (na=not applicable)</p> <p>*** per NFRC 100 † square inches ¹ btu/hr*ft²*F</p> <p style="text-align: center;">www.nfrc.org</p>				

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10/2023 LBETPXXX

10/2023 LBETCQXX

ENERGY RATINGS

Signamark NFRC Labels





National Fenestration Rating Council®
CERTIFIED



TRINITY GLASS
INTERNATIONAL

Modern Fiberglass Door
In-swing (IS) and Out-swing (OS)
TGI-M-9*

ENERGY PERFORMANCE RATINGS

Product Description	U-Factor ¹ / Solar Heat Gain Coefficient (SHGC)			
	Individual Option Number			
	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite >1100†
Default Frame** PVC				
Clear/Air/Deco/Air/Clear (3mm/3mm/3mm) 1" IG "	0.22	0.10	---	---
	00096-00001	---	---	---

Air Leakage ≤0.3 cfm/ft²

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.

* Numbers below the performance ratings are referenced in the NFRC Certified Products Directory (e.g., ABC-X-1-00001-00001 or 123-X-1-00001-00001)

** #glazing layers / spacer type / low-e emissivity (surface) / gap fill / gap width (na=not applicable)

*** per NFRC 100 † square inches ¹ btu/hr*ft²*F

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3-Lite Large 10/2023 LBETK408