

ENERGY RATINGS

Direct Glazed Smooth Doors & Sidelites



Updated 10-10-2024
ENERGY STAR v7.0

DIRECT GLAZED 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

DOORS, TGI-M-11 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC, Example: TGI-M-11-00192-00001

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
				0.20	0.08	0.10	0.22	0.15	0.19	0.24	0.19	0.24	0.26	0.25	0.33
Optilite S1 16/Air/Lami (3mm/9mm) 1" IG	IS/OS	Wood	Dual Pane - Low E Laminated PDLC	00031-00001			00063-00001			00095-00001			00127-00001		
Optilite S1 16/Air/Clear (3mm/3mm) 1" IG	IS/OS	Wood	Dual Pane - Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.15	0.19	0.26	0.20	0.26	0.28	0.26	0.34
				00023-00001			00055-00001			00087-00001			00119-00001		
Optilite S1 16/Air/Lami (3mm/9mm) 1" IG	IS/OS	PVC	Dual Pane - Low E Laminated PDLC	0.19	0.08	0.10	0.21	0.15	0.19	0.23	0.19	0.25	0.25	0.25	0.33
				00160-00001			00192-00001			00224-00001			00256-00001		
Optilite S1 16/Air/Clear (3mm/3mm) 1" IG	IS/OS	PVC	Dual Pane - 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
				00152-00001			00184-00001			00216-00001			00248-00001		

SIDELITES, TGI-M-12 NOTE: CPD # would equal the TGI-M-X + Number below the U-Factor-SHGC, Example: TGI-M-12-00252-00001

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
				0.19	0.08	0.10	0.22	0.14	0.19	0.23	0.19	0.25	0.26	0.25	0.33
Optilite S1 16/Air/Lami (3mm/9mm) 1" IG	IS/OS	Wood	Dual Pane - Low E Laminated PDLC	00031-00001			00063-00001			00095-00001			00127-00001		
Optilite S1 16/Air/Clear (3mm/3mm) 1" IG	IS/OS	Wood	Dual Pane - Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.14	0.19	0.25	0.19	0.26	0.28	0.26	0.34
				00023-00001			00055-00001			00087-00001			00119-00001		
Optilite S1 16/Air/Lami (3mm/9mm) 1" IG	IS/OS	PVC	Dual Pane - Low E Laminated PDLC	0.19	0.08	0.10	0.21	0.14	0.19	0.23	0.19	0.25	0.25	0.25	0.33
				00157-00001			00188-00001			00220-00001			00252-00001		
Optilite S1 16/Air/Clear (3mm/3mm) 1" IG	IS/OS	PVC	Dual Pane - Low E (Clear/Internal Grill) Air	0.20	0.08	0.10	0.23	0.14	0.19	0.25	0.19	0.26	0.27	0.26	0.34
				00149-00001			00180-00001			00212-00001			00244-00001		

Door	Glass Size	Door or Glass size
1/4 lite	≤410	325/425 Craftsman Rectangle
1/2 lite	≤900	330/430 Half Lite
3/4 lite	≤1100	440 3/4 Lite
Full lite	>1100	360/460 Full Lite
Opaque		

Sidelite	Glass Size	Sidelite or Glass size
1/4 lite	≤65	
1/2 lite	≤281	230 Half Lite
3/4 lite	≤391	240 3/4 Lite; 160 Full Lite
Full lite	>391	
Opaque		

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		
			Modern			Lighthouse Rectangle		
U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
0.22	0.10	0.09	0.26	0.18	0.18	0.26	0.18	0.18
0.21	0.08	0.09	0.24	0.14	0.18	0.24	0.14	0.18
0.24	0.10	0.10	0.29	0.19	0.19	0.29	0.19	0.19
0.22	0.08	0.10	0.25	0.15	0.19	0.25	0.15	0.19
0.22	0.08	0.08	0.25	0.13	0.17	0.25	0.13	0.17
0.27			0.27	0.17	0.17	0.27	0.17	0.17
0.26			0.26	0.13	0.17	0.26	0.13	0.17
0.29			0.29	0.18	0.19	0.29	0.18	0.19
0.25			0.25	0.15	0.19	0.25	0.15	0.19
0.25			0.25	0.13	0.16	0.25	0.13	0.16
0.21	0.05	0.09	0.24	0.10	0.17	0.24	0.10	0.17
0.21	0.04	0.08	0.24	0.07	0.15	0.24	0.07	0.15
0.20	0.04	0.07	0.23	0.07	0.14	0.23	0.07	0.14
0.24			0.24	0.07	0.14	0.24	0.07	0.14
0.24			0.24	0.10	0.16	0.24	0.10	0.16
0.24			0.24	0.07	0.15	0.24	0.07	0.15
0.22	0.10	0.09	0.26	0.18	0.18	0.26	0.18	0.18
0.21	0.08	0.09	0.24	0.14	0.18	0.24	0.14	0.18
0.23	0.10	0.10	0.29	0.19	0.19	0.29	0.19	0.19
0.21	0.08	0.10	0.25	0.15	0.19	0.25	0.15	0.19
0.21	0.08	0.08	0.25	0.13	0.17	0.25	0.13	0.17
0.27			0.27	0.17	0.17	0.27	0.17	0.17
0.25			0.25	0.13	0.17	0.25	0.13	0.17
0.28			0.28	0.18	0.19	0.28	0.18	0.19
0.24			0.24	0.15	0.19	0.24	0.15	0.19
0.24			0.24	0.13	0.16	0.24	0.13	0.16
0.21	0.05	0.09	0.23	0.10	0.17	0.23	0.10	0.17
0.20	0.04	0.08	0.23	0.07	0.15	0.23	0.07	0.15
0.20	0.04	0.07	0.22	0.07	0.14	0.22	0.07	0.14
0.24			0.24	0.07	0.14	0.24	0.07	0.14
0.23			0.23	0.10	0.16	0.23	0.10	0.16
0.23			0.23	0.07	0.15	0.23	0.07	0.15

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
			00021-00001		
IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.28	0.13	0.17
			00022-00001		
IS/OS	Wood	Dual Pane - Clear	0.32	0.19	0.19
			00023-00001		
IS/OS	Wood	Dual Pane - Optilite Low E (Clear/internal Grill) Air	0.28	0.14	0.18
			00025-00001		
IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.28	0.16	0.15
			00027-00001		
IS/OS	Wood	Triple Pane: Laminated Impact Glass	0.30	0.16	0.17
			00028-00001		
IS/OS	Wood	Triple Pane: Lam Impact Optilite Low E	0.29	0.13	0.16
			00029-00001		
IS/OS	Wood	Dual Pane: Laminated Impact Glass	0.31	0.18	0.18
			00030-00001		
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E	0.28	0.14	0.18
			00032-00001		
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E Wrought Iron	0.28	0.16	0.15
			00034-00001		
IS/OS	Wood	Dual Pane - Low E270 (Clear/internal Grill) Argon	0.27	0.09	0.16
			00037-00001		
IS/OS	Wood	Dual Pane - Low E366 (Clear/internal Grill) Argon	0.27	0.07	0.15
			00039-00001		
IS/OS	Wood	Triple Pane - Low E366 (Clear/internal Grill) Argon	0.26	0.07	0.13
			00041-00001		
IS/OS	Wood	Triple Pane - Lam Impact Low E366 (Clear/internal Grill) Argon	0.27	0.07	0.13
			00042-00001		
IS/OS	Wood	Dual Pane: Lam Impact Low E270	0.27	0.09	0.15
			00043-00001		
IS/OS	Wood	Dual Pane: Lam Impact Low E366	0.27	0.07	0.14
			00045-00001		
IS/OS	PVC	Triple Pane: Decorative Glass	0.29	0.17	0.17
			00051-00001		
IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.27	0.13	0.17
			00052-00001		
IS/OS	PVC	Dual Pane - Clear	0.31	0.19	0.19
			00053-00001		
IS/OS	PVC	Dual Pane - Optilite Low E (Clear/internal Grill) Air	0.28	0.14	0.18
			00055-00001		
IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.28	0.16	0.15
			00057-00001		
IS/OS	PVC	Triple Pane: Laminated Impact Glass	0.29	0.16	0.17
			00058-00001		
IS/OS	PVC	Triple Pane: Lam Impact Optilite Low E	0.28	0.13	0.16
			00059-00001		
IS/OS	PVC	Dual Pane: Laminated Impact Glass	0.31	0.18	0.18
			00060-00001		
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E	0.27	0.14	0.18
			00062-00001		
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E Wrought Iron	0.27	0.16	0.15
			00064-00001		
IS/OS	PVC	Dual Pane - Low E270 (Clear/internal Grill) Argon	0.26	0.09	0.16
			00067-00001		
IS/OS	PVC	Dual Pane - Low E366 (Clear/internal Grill) Argon	0.26	0.07	0.15
			00069-00001		
IS/OS	PVC	Triple Pane - Low E366 (Clear/internal Grill) Argon	0.25	0.07	0.13
			00071-00001		
IS/OS	PVC	Triple Pane - Lam Impact Low E366 (Clear/internal Grill) Argon	0.26	0.07	0.13
			00072-00001		
IS/OS	PVC	Dual Pane: Lam Impact Low E270	0.26	0.09	0.15
			00073-00001		
IS/OS	PVC	Dual Pane: Lam Impact Low E366	0.26	0.07	0.14
			00075-00001		

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

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

Product Description	DOOR, TGI-M-3											
	SWING	Frame (Jamb)	GLAZING	1/4-LITE			1/2 LITE			3/4 LITE		
				U-factor	SHGC	VT	U-factor	SHGC	VT	U-factor	SHGC	VT
Opaque Door			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
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
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
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
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
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
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
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
E270/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	Wood	Vent - LowE 270				0.22	0.08	0.14			
Clear/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	Wood	Vent - Clear				0.27	0.17	0.17			
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
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
OptiliteS1.16 / 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
Opaque Door			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
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
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
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
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
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
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
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
E270/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	PVC	Vent - LowE 270				0.22	0.08	0.14			
Clear/Air/Clear(3mm-3mm)11/16" IG (Vent) "	IS/OS	PVC	Vent - Clear				0.26	0.17	0.17			
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
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
OptiliteS1.16 / 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
Door or 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

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)				0.237	0.0001		0.257	0.0001		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
														0.1281-00001	
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	0.22	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)				0.1317-00001			0.1337-00001			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
														0.1361-00001	

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

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)										0.33	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
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)										0.33	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

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® Version 7.0

Certification Criteria for Residential Doors



ENERGY STAR® Certification Criteria for Residential Doors

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



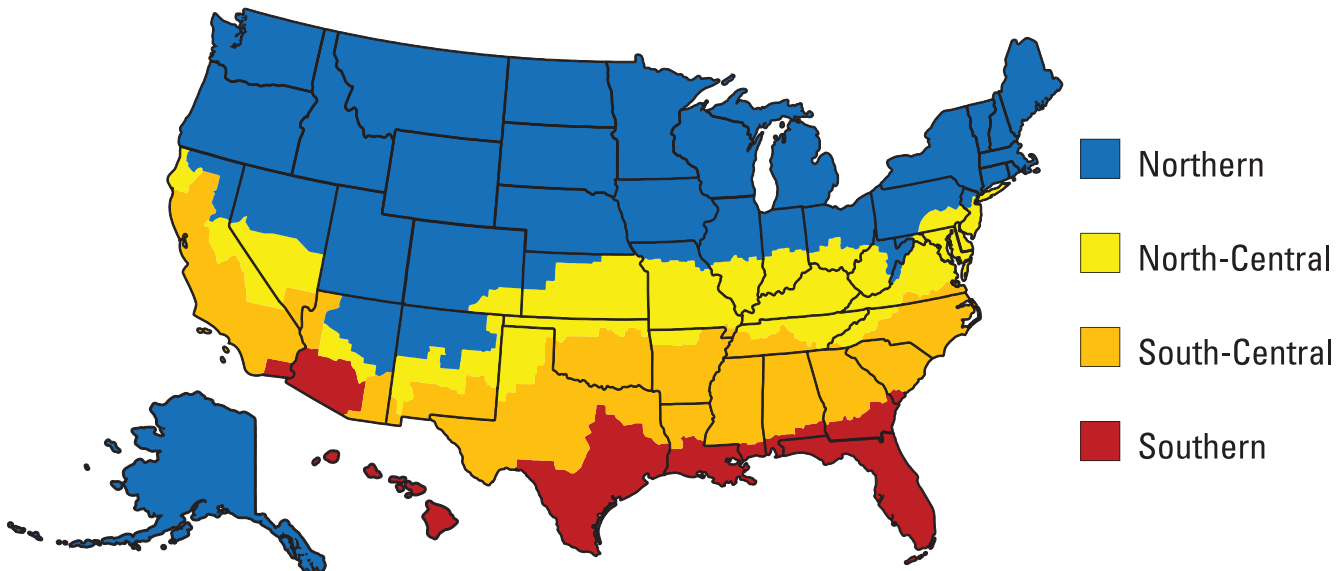
Criteria Effective
Oct. 23, 2023

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

Feather River NFRC Labels





National Fenestration
Rating Council®
CERTIFIED



TRINITY GLASS
INTERNATIONAL

Direct Glazed Fiberglass Door
In-swing (IS) and Out-swing (OS)
TGI-M-11*

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				
Optilite/Air/Lami (3mm/9mm) 1" IG	0.19 / 0.08	0.21 / 0.15	0.23 / 0.19	0.25 / 0.25
	00160-00001	00192-00001	00224-00001	00256-00001

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

www.nfrc.org



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Certificado por ENERGY STAR en los 50 estados

08/2024 LBETSXXX



National Fenestration
Rating Council®
CERTIFIED



TRINITY GLASS
INTERNATIONAL

**Flush Glazed Impact
Fiberglass Door**
In-swing (IS) and Out-swing (OS)
TGI-M-1*

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				
Decorative Impact 3/A5-S/na/AIR/0.250	0.21 / 0.08	— / —	— / —	— / —
	01285-00001	—	—	—
Miniblid Impact Low E (Blind Up) 2/A-1D/3/AIR/0.571	— / —	0.32 / 0.21	0.32 / 0.21	0.32 / 0.21
	—	01361-00001	01361-00001	01361-00001
Miniblid Impact Low E (Blind Down) 2/A-1D/3/AIR/0.571	— / —	0.29 / 0.10	0.29 / 0.10	0.29 / 0.10
	—	01362-00001	01362-00001	01362-00001

Air Leakage ≤0.3 cfm/ft²

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** #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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10/2025 LBETFXXX

ENERGY RATINGS

Feather River NFRC Labels



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

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** #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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Lighthouse 10/2023 LBETKXXX



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 01548-00001	— / — / — —	0.26 / 0.20 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 01627-00001	— / — / — —	0.26 / 0.20 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-Factor¹ 0.15 SHGC 0.01

PVC Frame
Opaque Door
01626-00001 U-Factor¹ 0.15 SHGC 0.01

Air Leakage ≤0.3 cfm/ft²

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** #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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10/2023 LBETMXXX

ENERGY RATINGS
Feather River NFRC Labels



Section for Premium Fiberglass Door (TGI-M-3*) with NFRC label and energy performance ratings table.

Section for Craftsman Fiberglass Door (TGI-M-7*) with NFRC label and energy performance ratings table.

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ENERGY RATINGS

Feather River 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



National Fenestration Rating Council®
CERTIFIED



TRINITY GLASS
INTERNATIONAL

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

ENERGY PERFORMANCE RATINGS



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Certificado por ENERGY STAR en los 50 estados

3-Lite Large 10/2023 LBETK408

4-Lite SDL 10/2023 LBETMSDL

ENERGY RATINGS

Feather River NFRC Labels



TRINITY GLASS
INTERNATIONAL

**Flush Glazed Impact
Fiberglass Door**

In-swing (IS) and Out-swing (OS)
TGI-M-1*

ENERGY PERFORMANCE RATINGS

Product Description**	U-Factor ¹ / Solar Heat Gain Coefficient (SHGC)			
	Individual Option Number			
Default Frame*** PVC	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite >1100†
Lami/Air/Optilite S1.16 (3mm 090PVB 3mm 3mm)	—	—	—	0.32
1" BBG-UP "	—	—	—	0.21
				01361-00001

Air Leakage ≤0.3 cfm/ft²

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* 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

www.nfrc.org

Patio Miniblind 10/2023 LBETFP0



TRINITY GLASS
INTERNATIONAL

**Flush Glazed Impact
Fiberglass Door**

In-swing (IS) and Out-swing (OS)
TGI-M-1*

ENERGY PERFORMANCE RATINGS

Product Description**	U-Factor ¹ / Solar Heat Gain Coefficient (SHGC)			
	Individual Option Number			
Default Frame*** PVC	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite >1100†
Optilite/Air/Lami (3mm 3mm 090PVB 3mm)	—	—	—	0.27
1" IG "	—	—	—	0.25
				01346-00001

Air Leakage ≤0.3 cfm/ft²

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* 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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Patio Clear Lite 10/2023 LBETFPX