

# ENERGY RATINGS

## Teak Woodgrain Doors (Lighthouse/Modern Collection)



Updated 09-20-2023  
ENERGY STAR v7.0

### MODERN FIBERGLASS: DOORS and SIDELITES LIGHHOUSE/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
IS/OS	Wood	Triple Pane: Decorative Glass	0.22	0.10	0.09	0.26	0.18	0.18
IS/OS	Wood	Triple Pane: Decorative Glass Low E	0.21	0.08	0.09	0.24	0.14	0.18
IS/OS	Wood	Dual Pane - Clear	0.24	0.10	0.10	0.29	0.19	0.19
IS/OS	Wood	Dual Pane - Optilite Low E (Clear/internal Grill) Air	0.22	0.08	0.10	0.25	0.15	0.19
IS/OS	Wood	Dual Pane - Wrought Iron Low E	0.22	0.08	0.08	0.25	0.13	0.17
IS/OS	Wood	Triple Pane: Laminated Impact Glass				0.27	0.17	0.17
IS/OS	Wood	Triple Pane: Lam Impact Optilite Low E				0.26	0.13	0.17
IS/OS	Wood	Dual Pane: Laminated Impact Glass				0.29	0.18	0.19
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E				0.25	0.15	0.19
IS/OS	Wood	Dual Pane: Lam Impact Optilite Low E Wrought Iron				0.25	0.13	0.16
IS/OS	Wood	Dual Pane - Low E270 (Clear/internal Grill) Argon	0.21	0.05	0.09	0.24	0.10	0.17
IS/OS	Wood	Dual Pane - Low E366 (Clear/internal Grill) Argon	0.21	0.04	0.08	0.24	0.07	0.15
IS/OS	Wood	Triple Pane - Low E366 (Clear/internal Grill) Argon	0.20	0.04	0.07	0.23	0.07	0.14
IS/OS	Wood	Triple Pane - Lam Impact Low E366 (Clear/internal Grill) Argon				0.24	0.07	0.14
IS/OS	Wood	Dual Pane: Lam Impact Low E270				0.24	0.10	0.16
IS/OS	Wood	Dual Pane: Lam Impact Low E366				0.24	0.07	0.15
IS/OS	PVC	Triple Pane: Decorative Glass	0.22	0.10	0.09	0.26	0.18	0.18
IS/OS	PVC	Triple Pane: Decorative Glass Low E	0.21	0.08	0.09	0.24	0.14	0.18
IS/OS	PVC	Dual Pane - Clear	0.23	0.10	0.10	0.29	0.19	0.19
IS/OS	PVC	Dual Pane - Optilite Low E (Clear/internal Grill) Air	0.21	0.08	0.10	0.25	0.15	0.19
IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.21	0.08	0.08	0.25	0.13	0.17
IS/OS	PVC	Triple Pane: Laminated Impact Glass				0.27	0.17	0.17
IS/OS	PVC	Triple Pane: Lam Impact Optilite Low E				0.25	0.13	0.17
IS/OS	PVC	Dual Pane: Laminated Impact Glass				0.28	0.18	0.19
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E				0.24	0.15	0.19
IS/OS	PVC	Dual Pane: Lam Impact Optilite Low E Wrought Iron				0.24	0.13	0.16
IS/OS	PVC	Dual Pane - Low E270 (Clear/internal Grill) Argon	0.21	0.05	0.09	0.23	0.10	0.17
IS/OS	PVC	Dual Pane - Low E366 (Clear/internal Grill) Argon	0.20	0.04	0.08	0.23	0.07	0.15
IS/OS	PVC	Triple Pane - Low E366 (Clear/internal Grill) Argon	0.20	0.04	0.07	0.22	0.07	0.14
IS/OS	PVC	Triple Pane - Lam Impact Low E366 (Clear/internal Grill) Argon				0.24	0.07	0.14
IS/OS	PVC	Dual Pane: Lam Impact Low E270				0.23	0.10	0.16
IS/OS	PVC	Dual Pane: Lam Impact Low E366				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
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

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

Updated 09-20-2023  
 ENERGY STAR v7.0

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	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	0.15	0.01	0.00											
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	0.29	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	0.29	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	0.27	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	0.20	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	0.35		
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	0.24	0.19	0.25	0.27	0.25	0.34		
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	0.24	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	0.08	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	0.22	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		
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	0.19	0.04	0.07	0.21	0.07	0.14	0.23	0.09	0.18	0.25	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		
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill "	IS/OS	Wood	Dual Pane: Clear, 1/2" IG, Ext Grill	0.23	0.10	0.10											
Clear/Air/Clear (3mm/3mm) 1/2" IG Internal Grill "	IS/OS	Wood	Dual Pane: Clear, 1/2" IG, Int Grill	0.23	0.09	0.09											
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill "	IS/OS	Wood	Dual Pane Mini Blind (UP)							0.31	0.23	0.23					
Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind Low E270 (UP)							0.26	0.11	0.19					
OptiLite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane Mini Blind OptiLite Low E (UP)							0.29	0.20	0.26					
OptiLite S1.16 Lami / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	Wood	Dual Pane: Lam Imp Mini Blind OptiLite Low E (UP)							0.25	0.18	0.25					
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	0.20	0.09	0.08	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	0.19	0.07	0.08	0.22	0.12	0.15	0.23	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	0.20	0.08	0.08	0.24	0.15	0.15	0.26	0.20	0.20	0.29	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	0.19	0.07	0.08	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	0.22	0.10	0.10	0.26	0.19	0.20	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	0.20	0.08	0.10	0.23	0.15	0.19	0.25	0.20	0.26	0.27	0.26	0.35		
Clear/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "	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		
OptiLite/Air/Lami (3mm/3mm) [090PVB] 3mm] 1" IG "	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		
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	0.22	0.13	0.16	0.24	0.17	0.22	0.26	0.22	0.29		
OptiLite/Air/Clear (3mm/3mm) 1" IG (Wrought Iron) "	IS/OS	PVC	Dual Pane - Wrought Iron Low E	0.19	0.07	0.09	0.23	0.13	0.17	0.25	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	0.23	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	0.19	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	0.23	0.12	0.25		
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	0.19	0.04	0.07	0.21	0.07	0.14	0.22	0.09	0.18	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	0.22	0.12	0.22	0.24	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	0.22	0.09	0.20	0.24	0.12	0.27		
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill "	IS/OS	PVC	Dual Pane: Clear, 1/2" IG, Ext Grill	0.23	0.10	0.10											
Clear/Air/Clear (3mm/3mm) 1/2" IG Internal Grill "	IS/OS	PVC	Dual Pane: Clear, 1/2" IG, Int Grill	0.23	0.09	0.09											
Clear/Air/Clear (3mm/3mm) 1/2" IG External Grill "	IS/OS	PVC	Dual Pane Mini Blind (UP)							0.31	0.23	0.23					
Clear/Air/Clear - DS 1-1/16" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind Low E270 (UP)							0.25	0.11	0.19					
OptiLite S1.16 / Air / Clear (3mm-3mm) 1" BBG-UP "	IS/OS	PVC	Dual Pane Mini Blind OptiLite Low E (UP)							0.29	0.20	0.26					
OptiLite S1.16 Lami / Air / Clear (3mm-3mm) 1" BBG-UP "	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
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	0.15	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	0.15	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	0.15	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	0.15	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	0.30	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	0.20	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	0.24	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	0.19	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	0.17	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	0.17	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	0.17	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	0.15	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	0.14	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	0.16	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	0.15	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	0.31	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	0.26	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

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



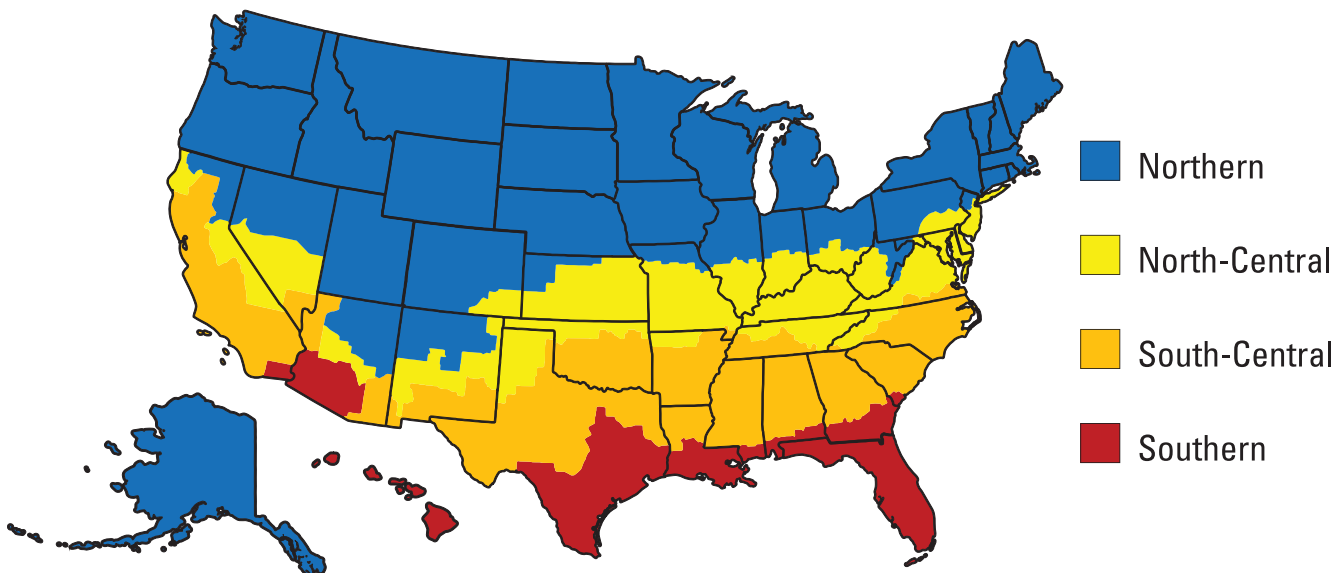
### ENERGY STAR® Certification Criteria for Residential Doors

DOORS			
Glazing Level	Climate Zone	U-Factor <sup>1</sup>	SHGC <sup>2</sup>
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/ft<sup>2</sup>  
 Air Leakage for Swinging Doors ≤ 0.5 cfm/ft<sup>2</sup>  
<sup>1</sup> Btu/h-ft<sup>2</sup>·°F  
<sup>2</sup> 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](http://www.energystar.gov/products/building_products/residential_windows_doors_and_skylights/climate_zone/search)

# ENERGY RATINGS

## Feather River 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 <sup>1</sup> / 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/ft<sup>2</sup>**

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      <sup>1</sup> btu/hr\*ft<sup>2</sup>\*F

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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 <sup>1</sup> / 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<sup>1</sup> 0.15**

**SHGC 0.01**

**PVC Frame  
Opaque Door**  
01626-00001

**U-Factor<sup>1</sup> 0.15**

**SHGC 0.01**

**Air Leakage ≤0.3 cfm/ft<sup>2</sup>**

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      <sup>1</sup> btu/hr\*ft<sup>2</sup>\*F

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10/2023 LBETMXXX

# ENERGY RATINGS

## Feather River NFRC Labels



**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\*

<b>ENERGY PERFORMANCE RATINGS</b>				
Product Description**	U-Factor <sup>1</sup> / 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 <sup>1</sup> 0.16		SHGC 0.01
PVC Frame Opaque 01937-00001		U-Factor <sup>1</sup> 0.16		SHGC 0.01
Air Leakage ≤0.3 cfm/ft <sup>2</sup>				
<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      <sup>1</sup> btu/hr*ft<sup>2</sup>*F</p> <p style="text-align: center;"><a href="http://www.nfrc.org">www.nfrc.org</a></p>				

<b>ENERGY PERFORMANCE RATINGS</b>				
Product Description**	U-Factor <sup>1</sup> / 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 <sup>2</sup>				
<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      <sup>1</sup> btu/hr*ft<sup>2</sup>*F</p> <p style="text-align: center;"><a href="http://www.nfrc.org">www.nfrc.org</a></p>				

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10/2023 LBETPXXX

10/2023 LBETCQXX

# 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

Product Description	U-Factor <sup>1</sup> / 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/ft<sup>2</sup>**

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 † btu/hr\*ft<sup>2</sup>\*F

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National Fenestration Rating Council®  
**CERTIFIED**



**TRINITY GLASS**  
INTERNATIONAL

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

### ENERGY PERFORMANCE RATINGS

Product Description**	U-Factor <sup>1</sup> / 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/Clear (3mm/3mm) 1" IG "	— — —	— — —	0.25 0.20 01668-00001	— — —

**Air Leakage ≤0.3 cfm/ft<sup>2</sup>**

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 † btu/hr\*ft<sup>2</sup>\*F

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3-Lite Large 10/2023 LBETK408

4-Lite SDL 10/2023 LBETMSDL