

ENERGY STAR

All Feather River Fiberglass Doors are energy efficient and designed to stand up to all seasons so your home stays warm during the winter months and cool during the summer. Imagine the savings from a fiberglass door which is up to five times more energy efficient than a traditional wood door.

Most of our doors are ENERGY STAR certified. The chart beginning below and continuing on page 19 shows a listing of the U-Factor and SHGC (Solar Heat Gain Coefficient) for all of our Exterior Door Products. Certified units must hit the U-Factor, Solar Heat Gain Coefficient in their climate zone, and air leakage listed in the chart to the right. Visit energystar.gov for your area's climate zone detail.



Feather River offers ENERGY STAR certified door models in all 50 states.

Effective: 1/1/2015

Glazing Level	U-Factor ¹	SHGC ²	
Opaque	≤0.17	No Rating	
≤1/2 Lite	≤0.25	≤0.25	
>1/2 Lite	≤0.30	Northern North-Central	≤0.40
		Southern South-Central	≤0.25

Air Leakage for Swinging Doors ≤ 0.5 cfm/ft²
 1 Btu/h.ft².°F 2 Fraction of incident solar radiation.

U-Factor: The heat transfer per time per area and per degree of temperature difference. The U-factor multiplied by the interior–exterior temperature difference and by the projected fenestration product area yields the total heat transfer through the fenestration product due to conduction, convection, and long wave infrared radiation. Expressed here in units of Btu/h.ft².°F.

Solar Heat Gain Coefficient (SHGC): The ratio of the solar heat gain entering the space through the fenestration product to the incident solar radiation. Expressed as a value between 0 and 1.

Air Leakage (AL): Measures the rate at which air passes through joints in the window. AL is measured in cubic feet of air passing through one square foot of window area per minute. The lower the AL value, the less air leakage. Most industry standards and building codes require an AL of 0.3 cfm/ft².

ENERGY RATINGS INFORMATION

In some years the government has offered a federal tax credit for energy efficient products that meet or exceed ENERGY STAR performance levels for doors. Please visit irs.gov and energystar.gov for additional information regarding tax credit availability or visit featherriverdoors.com for additional information regarding energy efficiency. Wood jamb ratings shown in energy chart. See the "Resource" page chart on our website for most current ratings.

NFRC Size Designation	Feather River Door Description
1/4 Lite ≤ 410 sq in	Fanlite, Craftsman (Mahogany), Craftsman Rectangle, Craftsman Arch, Center Arch, 3/4 Oval (Smooth), Metro (3-Lite, 3-Lite Mix, 4-Lite, 5-Lite), Modern (3-Lite Small, Large)
1/2 Lite ≤ 900 sq in	Half Lite, Half Lite RT, Softbrow, Center Arch (8/0 Oak), Cottage Craftsman Arch, 3/4 Oval (Mahogany and Oak and 8/0), Full Oval, Metro (1-Lite Straight, 3-Lite Craftsman), Lighthouse (1-Lite, 2-Lite, 4-Lite)
3/4 Lite ≤ 1100 sq in	3/4 Lite (6/8 Oak), Half Lite (8/0)
Full Lite > 1100 sq in	3/4 Lite (6/8 Mahogany), 3/4 Lite (8/0), Full Lite, Full Lite RT
Opaque/No Glass	All Panel Doors

NFRC Size Designation	Feather River Sidelite Description
1/4 Lite ≤ 65 sq in	N/A
1/2 Lite ≤ 281 sq in	Craftsman (Mahogany), Half Lite, Half Lite RT, Center Arch (6/8 Oak), 3/4 Lite (6/8 Mahogany—12"/10")
3/4 Lite ≤ 391 sq in	Center Arch (6/8 Mahogany, 8/0 Oak), 3/4 Lite (6/8 Oak, Smooth, Mahogany—14"), Full Lite (6/8 Oak, Smooth, Mahogany—12"/10")
Full Lite > 391 sq in	3/4 Lite (8/0), Full Lite (7/0), Full Lite (6/8 Mahogany—14"), Full Lite (6/8 Teak- 14"/12")
Opaque/No Glass	N/A

ENERGY RATINGS CHART

6/8 Teak Woodgrain Style Fiberglass Entry Doors & Sidelites

TYPE	SWING	GLAZING	1/4 Lite ≤ 410 sq in		1/2 Lite ≤ 900 sq in		3/4 Lite ≤ 1100 sq in		Full Lite > 1100 sq in	
			U-factor	SHGC	U-factor	SHGC	U-factor	SHGC	U-factor	SHGC
Fiberglass Door	Inswing & Outswing	Triple Pane—Decorative Glass	0.23	0.12	0.25	0.12	N/A	N/A	N/A	N/A
		Triple Pane—Obscure (6mm) Glass	0.23	0.12	0.25	0.12	N/A	N/A	N/A	N/A
		Triple Pane—Obscure (6mm) Glass with Grid	N/A	N/A	0.25	0.09	N/A	N/A	N/A	N/A
		Dual Pane—Low E-270 (Clear)	0.22	0.07	0.24	0.07	N/A	N/A	N/A	N/A
		Dual Pane—Low E-270 (Internal Grille)	N/A	N/A	0.23	0.05	N/A	N/A	N/A	N/A
		Dual Pane—(Clear)	0.25	0.13	0.27 ✘	0.13 ✘	N/A	N/A	N/A	N/A
		Dual Pane—(Internal Grille)	N/A	N/A	0.27 ✘	0.10 ✘	N/A	N/A	N/A	N/A
TYPE	SWING	GLAZING	1/4 Lite ≤ 65 sq in		1/2 Lite ≤ 281 sq in		3/4 Lite ≤ 381 sq in		Full Lite > 381 sq in	
Fiberglass Sidelite	Inswing & Outswing	Triple Pane—Decorative Glass	N/A	N/A	N/A	N/A	N/A	N/A	0.29	0.17
		Triple Pane—Obscure (6mm) Glass	N/A	N/A	N/A	N/A	N/A	N/A	0.29	0.17
		Dual Pane—Low E-270 (Clear)	N/A	N/A	N/A	N/A	N/A	N/A	0.27	0.10
		Dual Pane—(Clear)	N/A	N/A	N/A	N/A	N/A	N/A	0.31 ✘	0.19 ✘

Air Leakage ≤ 0.3 cfm/ft²



ENERGY RATINGS CHART

Continued

6/8 Mahogany Woodgrain Style Fiberglass Entry Doors & Sidelites

TYPE	SWING	GLAZING	1/4 Lite ≤ 410 sq in		1/2 Lite ≤ 900 sq in		3/4 Lite ≤ 1100 sq in		Full Lite > 1100 sq in	
			U-factor	SHGC	U-factor	SHGC	U-factor	SHGC	U-factor	SHGC
Fiberglass Door	Inswing & Outswing	Triple Pane—Decorative Glass	0.20	0.08	0.23	0.14	N/A	N/A	0.27	0.23
		Triple Pane—Obscure (6mm) Glass	0.20	0.08	0.23	0.14	N/A	N/A	0.27	0.23
		Dual Pane—Craftsman 6-Lite (Mahogany/Smooth)	0.22	0.10	N/A	N/A	N/A	N/A	N/A	N/A
		Dual Pane—Craftsman 3-Lite, 1-Lite Low E-270	0.21	0.10	N/A	N/A	N/A	N/A	N/A	N/A
		Dual Pane—(Clear/Internal Grille/Wrought Iron)	0.21	0.10	0.26	0.17	N/A	N/A	0.31 ❌	0.28 ❌
		Triple Pane—Laminated Impact Glass	0.20	0.08	0.23	0.14	N/A	N/A	0.25	0.19
Opaque/No Glass (Flush/Embossed)			U-Factor = 0.15 SHGC = 0.01							
TYPE	SWING	GLAZING	1/4 Lite ≤ 65 sq in		1/2 Lite ≤ 281 sq in		3/4 Lite ≤ 391 sq in		Full Lite > 391 sq in	
Fiberglass Sidelite	Inswing & Outswing	Triple Pane—Decorative Glass	N/A	N/A	0.18	0.05	0.24	0.14	0.27	0.19
		Triple Pane—Obscure (6mm) Glass	N/A	N/A	0.18	0.05	0.24	0.14	0.27	0.19
		Dual Pane—(Obscure/Clear/Internal Grille/Wrought Iron)	N/A	N/A	0.19	0.05	0.27	0.16	0.30	0.22
		Dual Pane—Low E-270 (Clear/Internal Grille/SDL)	N/A	N/A	0.18	0.03	N/A	N/A	0.24	0.11
		Triple Pane—Laminated Impact Glass	N/A	N/A	0.20	0.05	0.26	0.13	0.29	0.18
		Dual Pane—Low E-270 (Mini Blind UP)	N/A	N/A	N/A	N/A	0.24	0.07	0.27	0.09
Dual Pane—(Mini Blind UP)			N/A	N/A	N/A	N/A	0.27	0.13	0.31 ⚠️	0.17 ⚠️
Air Leakage ≤ 0.3 cfm/ft ²										

6/8, 7/0 & 8/0 Oak Woodgrain and Smooth Style Fiberglass Entry Doors & Sidelites

TYPE	SWING	GLAZING	1/4 Lite ≤ 410 sq in		1/2 Lite ≤ 900 sq in		3/4 Lite ≤ 1100 sq in		Full Lite > 1100 sq in	
			U-factor	SHGC	U-factor	SHGC	U-factor	SHGC	U-factor	SHGC
Fiberglass Door	Inswing & Outswing	Triple Pane—Decorative Glass	0.21	0.10	0.24	0.18	0.27	0.23	0.30	0.31
		Triple Pane—Obscure (6mm) Glass	0.21	0.10	0.24	0.18	0.27	0.23	0.30	0.31
		Dual Pane—Grooved/Obscure	0.22	0.11	0.27 ❌	0.21 ❌	0.31 ❌	0.27 ❌	0.36 ❌	0.36 ❌
		Dual Pane—Wrought Iron	0.22	0.11	0.28 ❌	0.20 ❌	0.31 ❌	0.26 ❌	0.36 ❌	0.34 ❌
		Dual Pane—Low E-270 (Clear/Internal Grille)	0.19	0.06	0.22	0.10	0.24	0.13	0.26	0.18
		Dual Pane—Low E-270 (Mini Blind UP)	N/A	N/A	0.24	0.09	0.27	0.12	0.30	0.16
		Dual Pane—(Mini Blind UP)	N/A	N/A	0.28 ❌	0.19 ❌	0.32 ❌	0.25 ❌	0.37 ❌	0.33 ❌
Opaque/No Glass (Flush/Embossed)			U-Factor = 0.15 SHGC = 0.01							
TYPE	SWING	GLAZING	1/4 Lite ≤ 65 sq in		1/2 Lite ≤ 281 sq in		3/4 Lite ≤ 381 sq in		Full Lite > 381 sq in	
Fiberglass Sidelite	Inswing & Outswing	Triple Pane—Decorative Glass	0.18	0.03	0.23	0.13	0.25	0.16	0.28	0.22
		Triple Pane—Obscure (6mm) Glass	0.18	0.03	0.23	0.13	0.25	0.16	0.28	0.22
		Dual Pane—Obscure	0.19	0.04	0.25	0.13	0.28	0.18	0.31 ⚠️	0.23 ⚠️
		Dual Pane—Wrought Iron	0.19	0.03	0.25	0.14	0.28	0.18	0.32 ⚠️	0.20 ⚠️
		Dual Pane—Low E-270 (Clear/Internal Grille)	0.18	0.02	0.21	0.07	0.23	0.09	0.25	0.12
		Dual Pane—Low E-270 (Mini Blind UP)	N/A	N/A	0.24	0.06	0.26	0.07	0.29	0.09
Dual Pane—(Mini Blind UP)			N/A	N/A	0.26 ⚠️	0.11 ⚠️	0.29	0.14	0.33 ⚠️	0.18 ⚠️
Air Leakage ≤ 0.3 cfm/ft ²										

6/8 Flushglazed Oak Woodgrain and Smooth Style Fiberglass Entry Doors & Sidelites

TYPE	SWING	GLAZING	1/4 Lite ≤ 410 sq in		1/2 Lite ≤ 900 sq in		3/4 Lite ≤ 1100 sq in		Full Lite > 1100 sq in	
			U-factor	SHGC	U-factor	SHGC	U-factor	SHGC	U-factor	SHGC
Fiberglass Door	Inswing & Outswing	Triple Pane—Laminated Impact Glass	0.23	0.08	0.25	0.14	0.27	0.18	0.30	0.24
		Triple Pane—Decorative Glass	0.23	0.09	0.25	0.16	0.27	0.21	0.30	0.28
		Triple Pane—Obscure (6mm) Glass	0.23	0.09	0.25	0.16	0.27	0.21	0.30	0.28
		Dual Pane—Laminated Impact Glass	0.24	0.10	0.27 ❌	0.16 ❌	0.30	0.22	0.34 ❌	0.29 ❌
		Dual Pane—Grooved, Reeded	0.24	0.10	0.28 ❌	0.19 ❌	0.31 ❌	0.25 ❌	0.35 ❌	0.33 ❌
		Dual Pane—Wrought Iron	0.24	0.10	0.28 ❌	0.18 ❌	0.31 ❌	0.23 ❌	0.35 ❌	0.31 ❌
		Dual Pane—Low E-270 (Clear/Internal Grille)	0.21	0.05	0.23	0.09	0.24	0.12	0.26	0.16
		Dual Pane—Low E-270 (Mini Blind UP)	N/A	N/A	0.25	0.08	0.27	0.11	0.29	0.15
Dual Pane—(Mini Blind UP)			N/A	N/A	0.29 ❌	0.17 ❌	0.32 ❌	0.22 ❌	0.36 ❌	0.30 ❌
TYPE	SWING	GLAZING	1/4 Lite ≤ 65 sq in		1/2 Lite ≤ 281 sq in		3/4 Lite ≤ 391 sq in		Full Lite > 391 sq in	
Fiberglass Sidelite	Inswing & Outswing	Triple Pane—Laminated Impact Glass	N/A	N/A	0.24	0.10	0.25	0.13	0.27	0.17
		Triple Pane—Decorative Glass	N/A	N/A	0.24	0.12	0.25	0.15	0.27	0.20
		Triple Pane—Obscure (6mm) Glass	N/A	N/A	0.24	0.12	0.25	0.15	0.27	0.20
		Dual Pane—Laminated Impact Glass	N/A	N/A	0.25	0.10	0.26	0.13	0.29	0.17
		Dual Pane—Grooved, Reeded	N/A	N/A	0.25	0.11	0.27	0.15	0.29	0.19
		Dual Pane—Wrought Iron	N/A	N/A	0.25	0.18	0.27	0.23	0.29	0.31
		Dual Pane—Low E-270 (Clear/Internal Grille)	N/A	N/A	0.23	0.06	0.23	0.08	0.24	0.10
		Dual Pane—Low E-270 (Mini Blind UP)	N/A	N/A	0.24	0.05	N/A	N/A	0.27	0.08
Dual Pane—(Mini Blind UP)			N/A	N/A	0.26 ⚠️	0.09 ⚠️	N/A	N/A	0.31 ⚠️	0.15 ⚠️
Air Leakage ≤ 0.3 cfm/ft ²										

⚠️ Sidelite: Will not qualify when purchased separately. Does qualify when purchased and installed with "qualified" Feather River entry door and sidelite configuration.

❌ Will not qualify under ENERGY STAR guidelines.

Qualified in Northern & North-Central Zone



Note: Transoms do not qualify for the tax credit. Any tax credit, if available, would be based on "qualified" Door with Sidelites or Double Door configuration.

Note: Ratings shown are with Wood Jamb. PVC Jamb listed on "Resource" page on website.

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