

Energy Report (Weighted Average)

The information below is a typical example of what Fleetwood provides with every quote. The Simulated Performance Alternative Energy Report is a more accurate energy report than ASHRAE or simply reporting Prescriptive. Results are computed with the same software NFRC uses to rate Prescriptive Energy Ratings, but using actual sizes of the windows and doors:



Job Name: ENERGY EXAMPLE

Customer: FLEETWOOD WINDOWS AND DOORS

Quote: #537229

MANUFACTURER

ENERGY REPORT

Code Compliance Challenges

It is imperative to involve an energy consultant with experience in metal window compliance. We provide a list of consultants online (Professionals/Energy Compliance).

Job Specific Summary

The U-Factor and SHGC values provided in this report comply with NFRC 100 and NFRC 200. A summary of these values has been presented as a Weighted Average to assist dealers in assessing the general impact if changes are made to the Window or Door order, e.g. glass type change.

Additionally, Fleetwood has provided a column of Simulated Performance Alternative energy values that may be a useful tool in illustrating how the size of a Door or Window will impact the true living conditions inside the home. By request, Fleetwood will provide Manufacturer Labels for such values. For more information about Simulated Performance Alternative, visit Fleetwood's website; under the Professionals menu, select Energy Compliance, then Energy Code Compliance.

Product Type / Category Information:

(Metric/SI version available upon request.)

Category:	Series:	Item:	Glazing*:	VT:	NFRC		Simulated Performance Alternative		Glazing Area (ft ²)*Qty:
					U-Factor / SHGC	U-Factor / SHGC	U-Factor / SHGC	U-Factor / SHGC	
DOOR	Series 3000-T	1-0	A	0.49	0.35	0.22	0.29	0.24	116.67 [140x120]*1
DOOR	Series 3070-T	2-0	A	0.47	0.31	0.21	0.25	0.24	191.67 [230x120]*1

DOOR Weighted Average								(ft ²): 308.34
NFRC:		U-Factor:		0.325		SHGC: 0.214		
Simulated Performance Alternative				0.27		0.24		

Category:	Series:	Item:	Glazing*:	VT:	NFRC		Simulated Performance Alternative		Glazing Area (ft ²)*Qty:
					U-Factor / SHGC	U-Factor / SHGC	U-Factor / SHGC	U-Factor / SHGC	
WINDOW	Series 3800-T	3-0	B	0.55	0.26	0.24	0.28	0.25	72.22 [80x130]*1

WINDOW Weighted Average								(ft ²): 72.22
NFRC:		U-Factor:		0.26		SHGC: 0.24		
Simulated Performance Alternative				0.28		0.25		

The "Performance method" for certification is recommended; wherein envelope components can be "traded off" to allow the desired windows and doors. (See Energy Code Compliance for a list of common trade-offs.)

Total Weighted Average								Total Glazing Area:
NFRC:		U-Factor:		0.31		SHGC: 0.22		(ft ²): 380.56
Simulated Performance Alternative				0.27		0.24		


The overall product U-Factor combines the center-of-glass, product frame and edge-of-glass U-Factors in a frame model.


Note: All U-factors and SHGC values are shown with non-tinted glass. Tint on glass will further reduce the SHGC values.


Temporary Label

Below are examples of temporary labels available for Fenestration Values:

NFRC	Default	Fleetwood Simulated Performance Alternative
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 FLEETWOOD Windows and Doors Norwood 3070-T Product Type: DOOR-MS Aluminum w/Thermal Breaks Double Glazing - Argon Fill - Low E CPD#:	
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.32	0.21
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.47	≤ 0.3
Condensation Resistance	—
44	—
<small>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.</small> www.nfrc.org	

Manufacturer's Fenestration Default Values  FLEETWOOD Windows & Doors Norwood 3070-T Product Type: DOOR-MS Aluminum w/Thermal Breaks 1" Clear Cardinal 366 6mm-T, 0.5argon, Clear Cardinal i89 6mm-T	
ENERGY PERFORMANCE VALUES	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.59	0.63
<small>Manufacturer stipulates that the values stated above are in accordance with the 2019 California Energy Code, listed in the Default Fenestration Product Values tables 116-A/B for the Frame type, Product type, and Glazing, according to the stated Manufacturer Series/Product/Glazing. This information may be useful in determining compliance of energy codes with the IECC and Title 24.</small>	

 MANUFACTURER LABEL PRODUCT: Norwood 3070-T TYPE: DOOR-MS 230" x 138" (584mm x 350mm) Aluminum w/Thermal Breaks Double Glazing - Argon Fill - Low E	
ENERGY PERFORMANCE RATINGS (Simulated Performance Alternative)	
U-Factor	Solar Heat Gain Coefficient
0.27 <small>(U.S./I-P)</small>	1.53 <small>(Metric/SI)</small>
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage
0.47	≤ 0.3 <small>(U.S./I-P)</small>
Condensation Resistance	1.5 <small>(Metric/SI)</small>
44	—
<small>Manufacturer declares that these ratings are based on the actual size and were calculated using the Window 6 & Therm 6 computer software, the same software used by other 3rd party Certification entities. All values listed above are true, correct and complete.</small>	