

# CHATEAU WINDOWS

by B.F. Rich

## REPLACEMENT WINDOWS

### NFRC AND ENERGY STAR® THERMAL DATA



The NFRC label provides the only reliable way to compare the energy efficiency, strength and durability of a window. The NFRC label appears on all fenestration products in the ENERGY STAR® program.

**Compare U-Factor** - The **LOWER** the U-Factor, the better it insulates, the **LOWER** your heating and cooling bills.

**Compare Solar Heat Gain Coefficient** - The **LOWER** the SHGC, the less solar heat your window transmits in summer, the **LOWER** your cooling costs.

**Compare Visible Transmittance** - Daylight and view are two of the fundamental attributes of a window. The **HIGHER** the VT the more **NATURAL LIGHT** is allowed into the home.

**Compare Design Pressure** - The **HIGHER** the DP Rating, the **STRONGER** and more **RESILIENT** the window will be to wind, rain and storms.

**Look for ENERGY STAR®** - ENERGY STAR qualified windows and doors **SAVE** energy, money and increase the comfort of your home.



**BFRich**  
Windows & Doors

**"CHATEAU"**  
DOUBLE-HUNG WINDOW  
VINYL - SASH & FRAME • DOUBLE GLAZING

#### ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P)

Solar Heat Gain Coefficient

#### ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance

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. [www.nfrc.org](http://www.nfrc.org)

AAMA/WDMA/CSA 101/I.S. 2/A440-08  
GRADE: H-R40/DP40



ENERGY STAR qualified versions of this product are available for the **highlighted** regions. Ask your sales person for details.

Las versiones de los productos calificados ENERGY STAR están disponibles en las regiones seleccionadas. Para más detalles hable con el representante de ventas en la tienda.



ENERGY STAR  
Compliant By Zone

YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
No				
No				
No				

Manufacturer

Product Description

2.5 SCSB70 Green Shield
2.5 SCSB70 Green Shield
2.5 SCSB70 Green Shield
2.5 SB65 Soft Coat
2.5 SB65 Soft Coat
2.5 SB65 Soft Coat
2.5 CMFT EP-S Hard Coat
2.5 CMFT EP-S Hard Coat
2.5 CMFT EP-S Hard Coat

U-Factor

0.27
0.27
0.27
0.30
0.30
0.30
0.33
0.33
0.33

CHATEAU Double-Hung Window

SHGC	VT	Gap Fill	Grids	Certified Product Number
0.19	0.43	Argon	NA	BFR-M-32-00010-00001
0.17	0.38	Argon	< 1"	BFR-M-32-00010-00002
0.15	0.34	Argon	≥ 1"	BFR-M-32-00010-00003
0.28	0.54	Argon	NA	BFR-M-32-00007-00001
0.26	0.48	Argon	< 1"	BFR-M-32-00007-00002
0.23	0.42	Argon	≥ 1"	BFR-M-32-00007-00003
0.51	0.58	Argon	NA	BFR-M-32-00004-00001
0.46	0.52	Argon	< 1"	BFR-M-32-00004-00002
0.41	0.45	Argon	≥ 1"	BFR-M-32-00004-00003

ENERGY STAR  
Compliant By Zone

YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
No				
No				
No				

Manufacturer

Product Description

2.5 SCSB70 Green Shield
2.5 SCSB70 Green Shield
2.5 SCSB70 Green Shield
2.5 SB65 Soft Coat
2.5 SB65 Soft Coat
2.5 SB65 Soft Coat
2.5 CMFT EP-S Hard Coat
2.5 CMFT EP-S Hard Coat
2.5 CMFT EP-S Hard Coat

U-Factor

0.27
0.27
0.27
0.30
0.30
0.30
0.33
0.33
0.33

CHATEAU Horizontal Slider Window

SHGC	VT	Gap Fill	Grids	Certified Product Number
0.19	0.43	Argon	NA	BFR-M-34-00010-00001
0.17	0.38	Argon	< 1"	BFR-M-34-00010-00002
0.15	0.34	Argon	≥ 1"	BFR-M-34-00010-00003
0.29	0.54	Argon	NA	BFR-M-34-00007-00001
0.26	0.48	Argon	< 1"	BFR-M-34-00007-00002
0.23	0.42	Argon	≥ 1"	BFR-M-34-00007-00003
0.51	0.58	Argon	NA	BFR-M-34-00004-00001
0.46	0.52	Argon	< 1"	BFR-M-34-00004-00002
0.41	0.46	Argon	≥ 1"	BFR-M-34-00004-00003

ENERGY STAR  
Compliant By Zone

YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S
YES	N	NC	SC	S

Manufacturer

Product Description

2.5 SCSB70 Green Shield
2.5 SCSB70 Green Shield
2.5 SCSB70 Green Shield
2.5 SB65 Soft Coat
2.5 SB65 Soft Coat
2.5 SB65 Soft Coat
2.5 CMFT EP-S Hard Coat
2.5 CMFT EP-S Hard Coat
2.5 CMFT EP-S Hard Coat

U-Factor

0.26
0.26
0.26
0.27
0.27
0.27
0.31
0.31
0.31

CHATEAU Fixed Picture Window

SHGC	VT	Gap Fill	Grids	Certified Product Number
0.21	0.50	Argon	NA	BFR-M-33-00010-00001
0.20	0.45	Argon	< 1"	BFR-M-33-00010-00002
0.18	0.40	Argon	≥ 1"	BFR-M-33-00010-00003
0.33	0.62	Argon	NA	BFR-M-33-00007-00001
0.30	0.56	Argon	< 1"	BFR-M-33-00007-00002
0.27	0.50	Argon	≥ 1"	BFR-M-33-00007-00003
0.59	0.67	Argon	NA	BFR-M-33-00004-00001
0.53	0.60	Argon	< 1"	BFR-M-33-00004-00002
0.48	0.54	Argon	≥ 1"	BFR-M-33-00004-00003



ENERGY STAR® Qualification Criteria for Residential Windows

Climate Zone	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	
Northern	≤ 0.30	Any	Prescriptive
	=0.31	≥ 0.35	Equivalent Energy Performance
	=0.32	≥ 0.40	
North-Central	≤ 0.32	≤ 0.40	
South-Central	≤ 0.35	≤ 0.30	
Southern	≤ 0.60	≤ 0.27	

<sup>1</sup> Btu/h-ft<sup>2</sup>·F

<sup>2</sup> Fraction of incident solar radiation

ENERGY STAR® Map & Criteria

Key: 2.5 = 2.5mm glass. SCSB70 = SunClean Solarban 70. SB65 = Solarban 65. CMFT EP-S = Comfort EP-S.

There are many glass and/or grid configurations that affect a window's U-Factor, Solar Heat Gain Coefficient and Visible Transmittance. A complete list of configurations for B.F. Rich windows and doors can be found at [www.nfrc.org](http://www.nfrc.org) in the Certified Products Directory.