

# Interpreting the NFRC Label

## A Visual Interpretation of the NFRC Ratings



**U-factor** measures the heat from INSIDE a room that can escape. The lower the number the lower the potential for wasted heating expenses.

**Solar Heat Gain Coefficient** measures the amount of OUTDOOR heat that can enter a room. The lower the number, the lower the potential for wasted cooling expenses.

**Visible Transmittance** measures how much natural light can come into a room -- a HIGH number means more natural light.

**Air Leakage** measures how much air will enter a room through the product. The lower the number, the lower the potential for draft through the product.

## An Example of the NFRC Label You Should Look for and the Numbers You May See

**U-factor** U-factor ratings generally fall between 0.20 and 1.20. The lower the U-factor, the better a product is at keeping heat in. U-factor is particularly important during the winter heating season. This label displays U-factor in U.S. units. Labels on products sold in markets outside the United States may display U-factor in metric units.



**World's Best Window Co.**  
Series "2000"  
Casement  
Vinyl Clad Wood Frame  
Double Glazing • Argon Fill • Low E  
ABC-X-1-00001-00001

**Solar Heat Gain Coefficient (SHGC)** is expressed as a number between 0 and 1. The lower the SHGC, the better a product is at blocking unwanted heat gain. Blocking solar heat gain is particularly important during the summer cooling season.

### ENERGY PERFORMANCE RATINGS

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

**0.35**

Solar Heat Gain Coefficient

**0.32**

### ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance

**0.51**

Air Leakage (U.S. / I-P)

**0.2**

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

**Visible Transmittance (VT)** is expressed as a number between 0 and 1. The higher the VT, the higher the potential for daylighting.

**Air Leakage (AL)** rates typically fall in a range between 0.1 and 0.3. The lower the AL, the better a product is at keeping air out. AL is an optional rating, and manufacturers may choose not to include it on their labels. This label displays AL in U.S. units. Labels on products sold in markets outside the United States may display AL in metric units.

NFRC administers an independent, uniform rating and labeling system for the energy performance of fenestration products, including windows, curtain walls, doors, and skylights.