



National Fenestration  
Rating Council®

# Understanding the NFRC Label



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

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

**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.

**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.

This image mirrors the four sections of the certified NFRC Label, providing the consumer with visual illustrations of what the label ratings mean. More in-depth information on the NFRC Label and purchasing the best possible windows, visit

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

# The NFRC Label

The label on a product presents the results of Independent ratings from NFRC-certified laboratories. Without the NFRC label, the product is not certified.

**U-factor** measures how well a product prevents heat from escaping a home or building. 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.

**Visible Transmittance (VT)** measures how much light comes through a product. VT is expressed as a number between 0 and 1. The higher the VT, the higher the potential for daylighting.



**Solar Heat Gain Coefficient (SHGC)** measures how well a product blocks heat from the sun. 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.

**Air Leakage (AL)** measures how much outside air comes into a home or building through a product. 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 can 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.