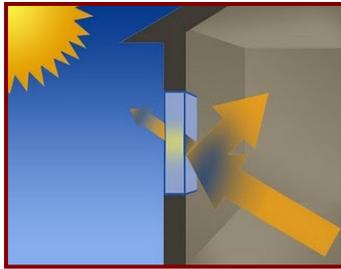


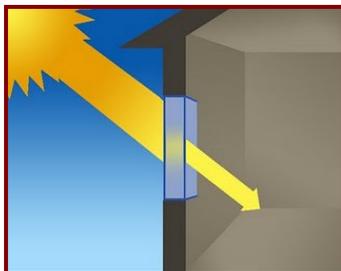


We spend millions of dollars every year to heat our homes and businesses. That is why it is so important to understand the role that windows play in how buildings use energy. One of the best ways to measure the effect of windows on building energy use is to review a window's energy performance rating.



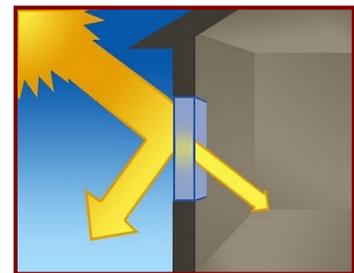
U Factor

The **U-factor** measures how well a product prevents heat from escaping. The lower the U-factor, the better it insulates the home and greater the resistance to heat flow.



Visible Transmittance Rating

Solar Heat Gain Coefficient (SHGC) rating measures how much heat from the sun is being blocked. The lower the rating, the less heat that comes in the house. Basically, this measures how well the window performs in relation to the outside elements.



Solar Heat Gain Coefficient

Visible Transmittance Rating measures how much light is passing through the glass. Typically, you want a higher value, meaning more light is passing through the glass. An ideal combination is a low U-factor and Solar Heat Gain Coefficient and a high Visible Transmittance rating. In other words you want light, you just don't want the heat and damaging UV rays that come with sunlight.

Heat Gain and Loss

Windows, doors, skylights can gain and lose heat in the following ways:

- Direct conduction through the glass or glazing, frame, and/or door
- The radiation of heat into a house (typically from the sun) and out of a house from room-temperature objects, such as people, furniture, and interior walls
- Air leakage may seep through and around, which transfers through the product. Therefore, *the lower the U-factor, the lower the amount of heat loss*, and the better a product is at insulating a building.
- 2008 Building Energy Efficiency Standards requires a maximum of 0.40 U-Factor and SHGC.

 National Fenestration Rating Council® CERTIFIED	World's Best Window Co. Millennium 2000+ Vinyl-Clad Wood Frame Double Glazing • Dynamic Glazing • Argon Fill • Low E Product Type: Vertical Slider	
	ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P) Variable 0.30 ↔ 0.40 <small>Off/Closed On/Open</small>		Solar Heat Gain Coefficient Variable 0.10 ↔ 0.50 <small>Off/Closed On/Open</small>
ADDITIONAL PERFORMANCE RATINGS		
Visible Transmittance Variable 0.03 ↔ 0.65 <small>Off/Closed On/Open</small>		Air Leakage (U.S./I-P) 0.2
<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. www.nfrc.org</small>		