



Grand Vista Insulated Sunroom

Energy Star & NFRC Efficiency Ratings

Window Style:

Glass Type:

Your Unit with Grills? Yes
 No

Energy Star

Product Name	Material	Glazed Layers	LowE Glass	Spacer	U-Value		SHG C	ER	Grills Dividers	Zones
					Umet	Uimp				
Single Slider	Vinyl	2	Argon (x1)	Stainless Steel	1.65	0.29	0.39	26	-	A B

National Fenestration Rating Council

Product Name	Material	Glazed Layers	LowE Glass	Spacer	Ufactor	SHGC	CR	VT	Gap Fill	Zones
Single Slider	VY/VY	2	0.042(2)	SS-D	0.29	0.39	59	0.55	Fill 1: ARG/AIR (90/10)	N, NC

What are the benefits of Energy Star?

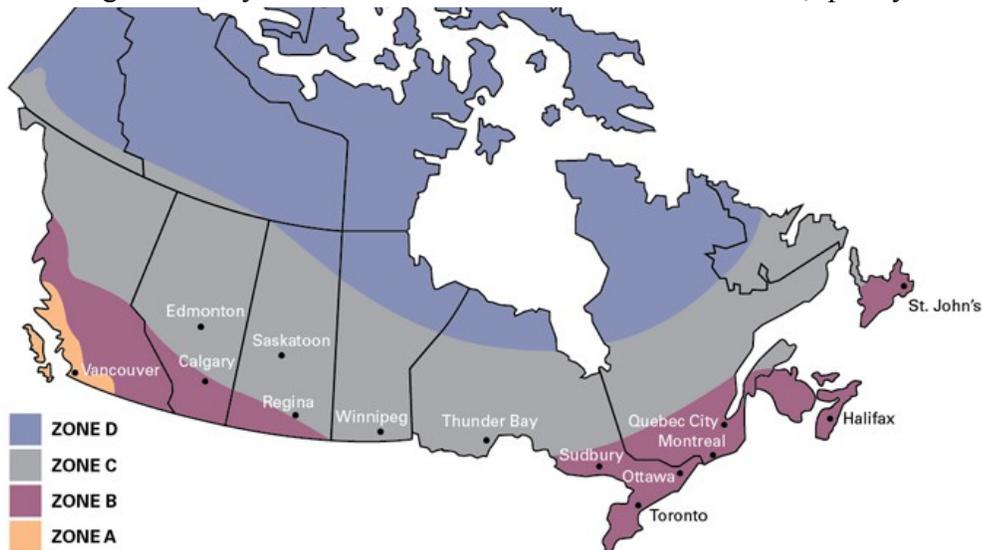
ENERGY STAR® energy-efficient windows will increase your level of comfort in your home, cut down noise levels from outside the home and have less condensation in cold weather. By reducing your home's energy consumption, ENERGY STAR® qualified windows also reduce greenhouse gas emissions that are contributing to climate change.

If all of the original windows and doors in an average older home were replaced by ENERGY STAR qualified products, the household energy consumption would be reduced by about 7 percent, which

would save three quarters of a tonne of greenhouse gas (GHG) emissions annually. When ENERGY STAR qualified windows are installed in an average new home instead of conventional products, energy consumption can be reduced by about 16 percent. (From nrcan.gc.ca, PDF document available)

Windows, doors and skylights are a major source of heat loss in Canadian homes. The Grand Vista Insulated Sunroom windows are produced by a leading manufacturer and have been independently tested and certified, so using them in your sunroom will help reduce your energy consumption and save you money compared to non-rated windows..

To qualify for the ENERGY STAR® mark, the windows must meet strict technical requirements for both thermal and structural performance. Products are qualified based on either their U-value (rate of heat transfer from a warm area to a cold area) or their Energy Rating (a scale that takes into account a product's U-value, potential solar gain and air tightness). Windows, doors and skylights must also have good air tightness to qualify for ENERGY STAR®. To ensure the integrity of the ENERGY STAR® mark, all product testing is done by accredited laboratories under standardized, quality-controlled conditions.



What are the benefits of NFRC?

The National Fenestration Rating Council, Incorporated ("NFRC") has developed and operates a uniform national rating system for the energy performance of fenestration products, including windows, doors, skylights, and similar products. The linch pin of the Rating System is a procedure for determining the thermal transmittance ("U-factor") of a product. The U-factor rating procedure is supplemented by procedures for rating products for solar heat gain coefficient ("solar heat gain" or "SHGC"), visible transmittance ("VT"), and condensation resistance ("CR"). Together, these rating procedures, as set forth in documents published by NFRC, are known as the NFRC Rating System.

The Rating System employs computer simulation and physical testing by NFRC accredited laboratories to establish performance ratings for fenestration products and product lines. The Rating System is reinforced by two certification programs, one for residential and one for non-residential products, under which fenestration manufacturers or responsible parties may certify and label fenestration products to indicate those performance ratings.

