

SOLARBAN® 60

Solar Control Low-E Glass

Warmer in winter. Cooler in summer. Year-round energy efficiency.

You are Here: Home (../default.aspx) » Low-e Glass (low-e-windows.aspx) » Solarban® 60 (solarban_60.aspx)

Solarban® 60 Solar Control Low-E Glass

Solarban® 60 glass meets homeowner demands with a proven ability to deliver value and performance by allowing more daylight in, making living spaces more inviting and energy efficient.

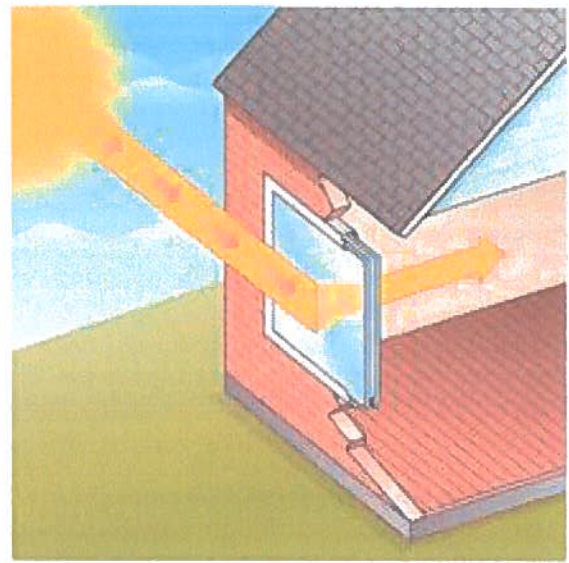
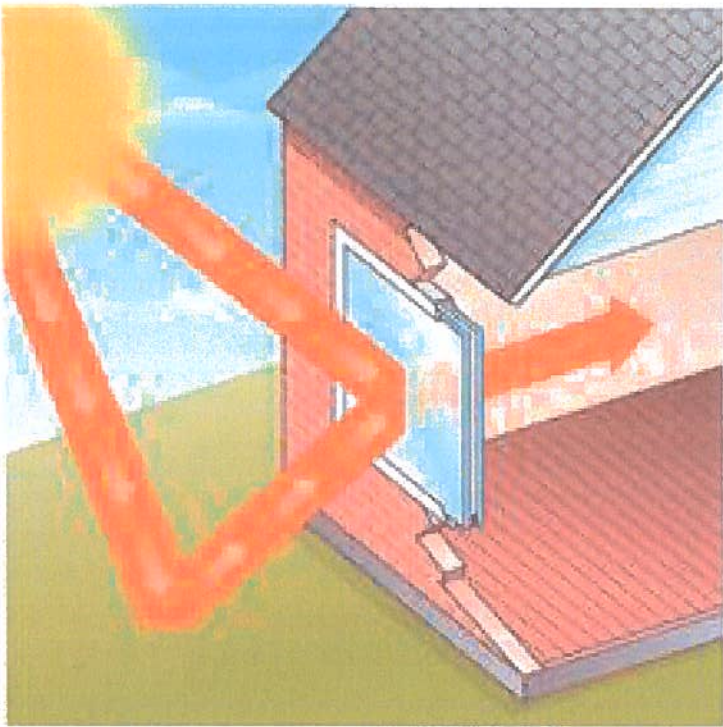
The advanced low-e coating of Solarban® 60 glass transmits more than 70% of the sun's available light into a home while blocking 79% of the sun's damaging UV energy and other contributors to fading—in all, 24% better than standard clear insulating glass. This helps to protect interior furnishings, fabrics and carpets from fading.

More importantly, Solarban® 60 glass helps homeowners shield their homes—and their utility bills—from summer heat and winter cold. Measured against windows assembled with ordinary clear glass, Solarban® 60 glass lessens solar heat gain by more than half. When the seasons turn cold, the high insulating value of Solarban® 60 helps reduce furnace heat loss through windows by up to 50%.

Those qualities have made Solarban® 60 glass the name to know in the window industry for year-round comfort and energy performance.

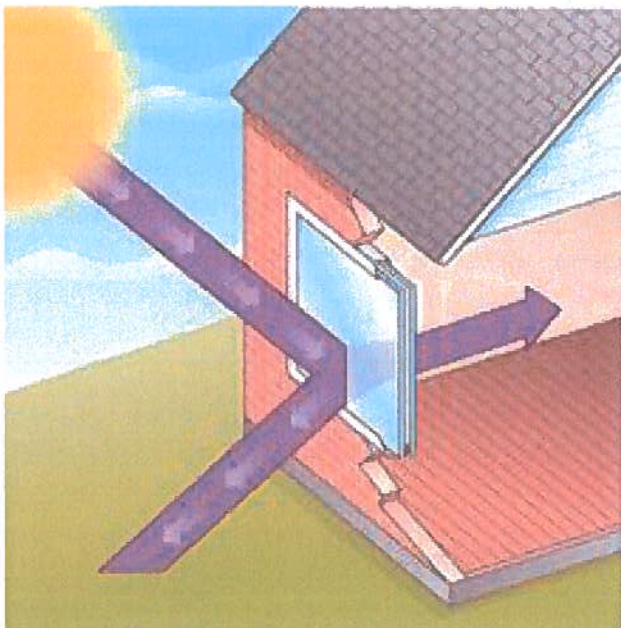
Glass Comparison

Solarban® 60 double insulating glass unit vs. standard clear insulating glass unit

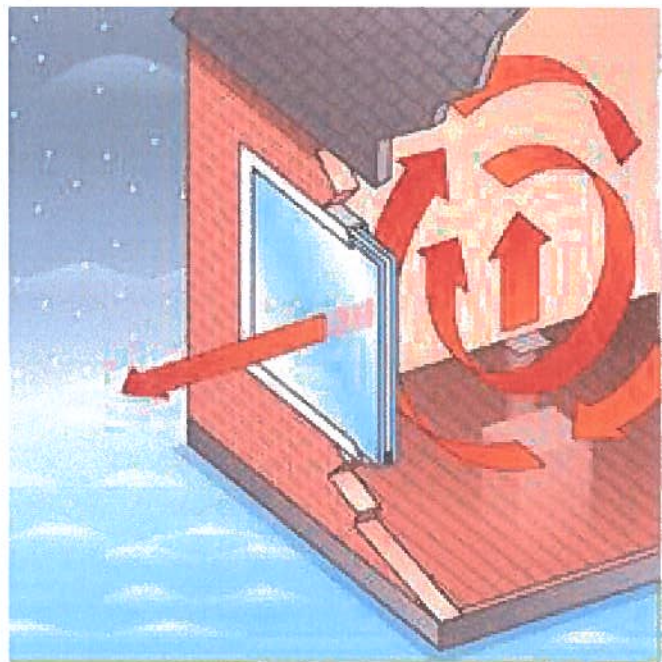


Visible Light

Solar Heat Gain Coefficient



Ultraviolet Energy




Winter Furnace Heat


	Standard Insulating Glass Unit	<i>Solarban</i> [®] 60 Insulating Glass Unit	Benefits
Solar Heat Gain Coefficient	0.76	0.40	Transmits almost 50% less solar energy to help keep homes cooler in the summer and reduce cooling energy costs
Visible Light Transmittance	81%	72%	Allows high level of visible light transmittance and exterior clear glass appearance


	Standard Insulating Glass Unit	<i>Solarban</i> [®] 60 Insulating Glass Unit	Benefits
U-Value	0.48	0.25	Insulates as much as 50% better than standard clear insulating glass
Ultraviolet Energy	59%	20%	Blocks 80% of UV energy, a common contributor to fabrics, carpet and furniture fading
Damage Weighted Transmittance *	0.74	0.55	Minimizes the total potential for fading damage by 26%

***Damage Weighted Transmittance** is calculated according to a function called Tdw-ISO, developed by the International Standards Organization (ISO) and published by the International Commission on Illumination (CIE), the world's leading technical organization on lighting and illumination. The Tdw-ISO calculation measures fading risk from solar radiation across the entire solar light spectrum, from UV light (280-380 nanometers) through visible light (390-780 nanometers). According to the CIE standard, which is considered more comprehensive than UV rating alone, *Solarban*[®] 60 glass can minimize fading damage across the entire solar spectrum more effectively than glass designed primarily to block UV light.

All comparisons are center of glass based on an insulating unit containing 3/4" insulating units; two 1/8" (3mm) glass lites and a 1/2" (12mm) air-filled space for the standard clear insulating glass and 90% argon gas-filled space for the *Solarban*[®] 60 insulating glass. Actual glass performance may differ due to glass thickness, gas fill and glass to frame ratio.

 [Download Double IGU Data Sheet](#) (../pdfs/VIT_Solarban60-2IGU_Residential_v4_VIT.pdf)

 [Download Triple IGU Data Sheet](#) (../pdfs/VIT_Solarban60-3IGU_Residential_v3_VIT.pdf)

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