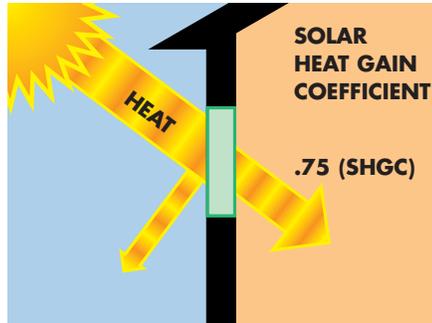




SOLARBAN[®]60
SOLAR CONTROL LOW-E GLASS

Features / Benefits Comparison

Standard Clear Insulating Glass

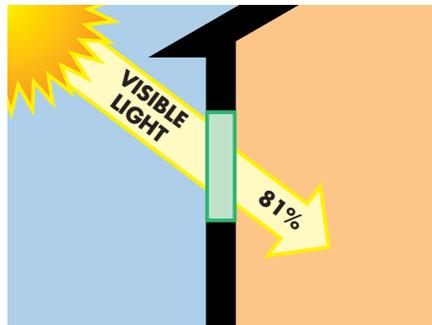
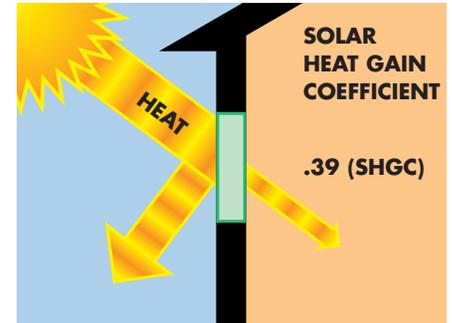


Cooler In Summer

The total solar energy transmitted through *Solarban[®] 60 (2)* glass is almost 50% less than that transmitted by standard clear insulating glass.

- Lower SHGC numbers mean less summer heat
- Keeps interiors cooler
- Helps reduce cooling energy costs

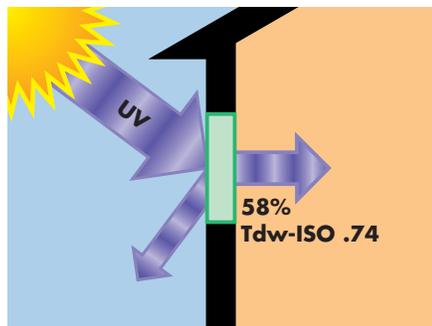
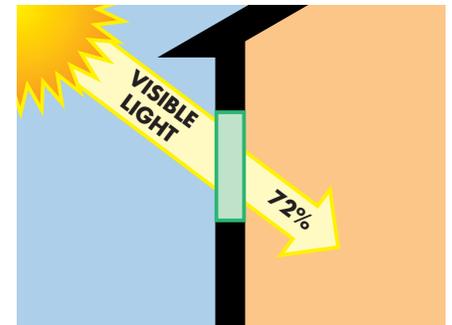
Solarban[®] 60 (2) Insulating Glass



Transmits Visible Light/Appearance

The *Solarban[®] 60 (2)* window transmits almost 90% as much desirable visible light as standard clear insulating glass.

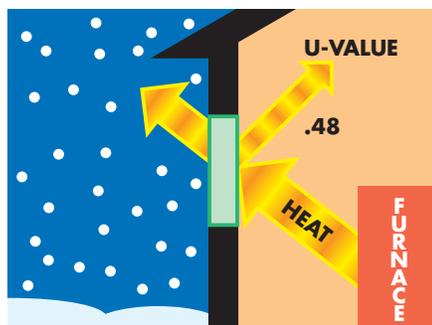
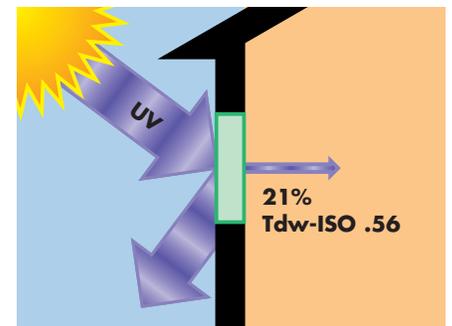
- Provides exterior appearance similar to clear glass
- Provides glare control in bright, sunny climates



Fading Factors

While *Solarban[®] 60 (2)* glass blocks 79% of damaging UV energy, it also blocks other contributors to fading — in all, 24% better than standard clear insulating glass.

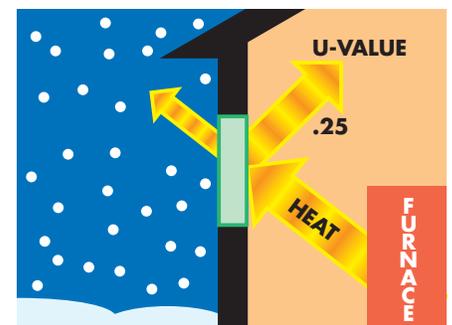
- Helps protect interior furnishings, fabrics and carpets from fading



Warmer In Winter

The winter nighttime U-Value (insulating value) of *Solarban[®] 60 (2)* glass is almost 50% better than standard clear insulating glass.

- Lower U-values mean higher performance
- Reduces furnace heat loss
- Helps reduce heating energy costs



Note: Tdw-ISO represents potential fading damage caused by both UV and visible light. It is considered by the U.S. Department of Energy and the International Standards Organization (ISO) to be a more accurate barometer of fade resistance than UV transmittance alone. All comparisons are center of glass based on an insulating unit containing 3/4" insulating units; two 1/8" (3mm) glass lights and a 1/2" (12mm) air-filled space for the standard clear insulating glass and 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.

Solar Heat Gain Coefficient (SHGC) represents the solar heat gain through the glass relative to the incident solar radiation. It is equal to 86% of the shading coefficient.

Figures may vary due to manufacturing tolerances. All tabulated data are based on the National Fenestration Rating Council (NFRC) methodology, using the Lawrence Berkeley National Laboratory's Window 5.2 software.

PPG Industries, Inc.
Glass Business & Discovery Center
400 Guys Run Road
Cheswick, PA 15024
Phone: 1-888-PPG-GLAS
www.ppgglass.com

PPG Glass Technology
Since 1883



All PPG architectural glass is Cradle to Cradle[®] Certified. Cradle to Cradle is a registered trademark of MBDC, LLC.

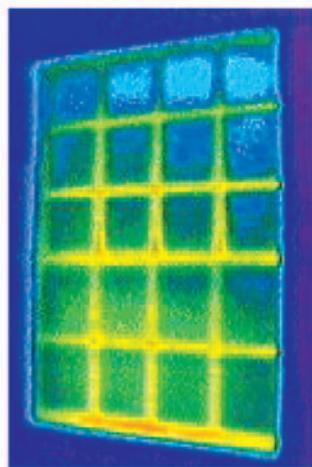
PPG customers use our products to manufacture Energy Star compliant windows, doors and skylights.

BE COMFORTABLE WITH YOUR ENERGY BILL

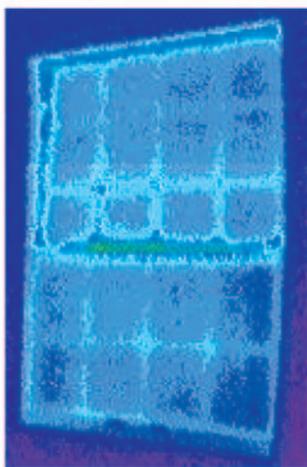
Solarban 60 Solar Control Low-E Glass helps your home be more energy-efficient all year round. The microscopically thin low-e coating blocks solar energy in the summer and reduces the escape of heat in the winter without altering the appearance of your window inside or out.

HEAT PHOTOGRAPHS (INFRARED THERMOGRAPHY)

Ordinary
Insulating Glass



Solarban 60
Insulating Glass by PPG



As you can see with these infrared pictures, the window made with Solarban 60 glass transmits far less heat than the ordinary glass window.

Note: Comparisons are based on center of glass measurements of 3/4" insulating glass units; two 1/8" (3mm) glass panes and a 1/2" (12mm) space filled with air for the ordinary insulating glass and filled with argon gas for the Solarban 60 insulating glass. Actual glass performance may differ slightly due to glass thickness, gas fill and glass-to-frame ratio. All tabulated data is based on the National Fenestration Rating Council, using the Lawrence Berkeley National Laboratory's Window 5.2 software, the preeminent window performance measurement standard in North America.

SELECT PPG GLASS WITH CONFIDENCE

You can be comfortable with your choice of PPG residential glass. PPG has been at the forefront of residential glass technology and innovation since 1883 and continues to pioneer many of the glass technologies you'll find in some of the world's best windows.

Contact your window dealer or call 1-888-PPG-GLAS (1-888-774-4527) for a list of window manufacturers that use PPG glass. More information for homeowners and construction professionals is available on our website, www.ppgglass.com



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PPG customers use our products to manufacture Energy Star-qualified windows, doors and skylights.

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be comfortable
WITH SOLARBAN® 60
SOLAR CONTROL LOW-E GLASS

PPG Glass Technology
Since 1883

IT'S WHAT TO LOOK FOR IN A WINDOW™



be comfortable

Choosing windows? The decision is an easy one, when you know PPG glass. The glass that offers quality, innovation, durability, and comfort in any climate.

Windows made with PPG glass will help you feel more comfortable in many ways. We make glass to keep you warm on a chilly winter's night and cool on the hottest day of summer. We make glass that increases energy efficiency. We even make a glass that cleans itself.

Solarban 60 Solar Control Low-E Glass is specially coated to block solar energy during the summer and to reduce the escape of furnace heat in the winter.

COMFORT AND COST-SAVINGS. SOLARBAN® 60 GLASS BY PPG.

Not all window glass is the same. In fact, selecting the right glass can make a big difference in the comfort of your home as well as the size of your energy bills.

Here's why it pays to get Solarban 60 glass by PPG:

WARMER IN WINTER

Furnace heat lost through your windows is at its peak on winter nights. When your windows are made with Solarban 60 glass instead of ordinary glass, this heat loss is cut in half, meaning lower heating bills.

COOLER IN SUMMER

Thanks to its special solar control, low-emissivity (low-e) coating, a window made with Solarban 60 glass allows about half as much heat from the sun to enter your home as a window with ordinary glass. That reduces summer cooling costs.

COMFORTABLE, ABUNDANT LIGHT

Solarban 60 glass looks like ordinary glass but it's not. The glass's low-e coating changes the quality of the light that passes through it, reducing the bright glare of sunlight without adversely affecting the level of visible light that enters your home.

FADE PROTECTION

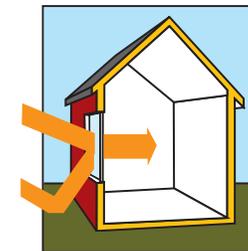
The solar control, low-e coating of Solarban 60 glass blocks ultraviolet (UV) energy, which is traditionally associated with fading, 72% more effectively than ordinary glass. However, a more complete measure of fading resistance called "damage-weighted transmittance," shows that Solarban 60 glass also protects your fabrics, furniture and carpets from fading caused by visible light.

Damage Weighted Transmittance is calculated according to a function called T_{dw}-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 T_{dw}-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.

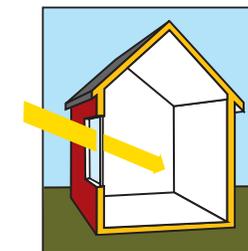
ORDINARY INSULATING
GLASS UNIT



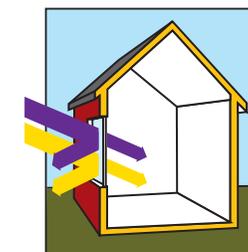
Winter U-Value = 0.48



SHGC = 0.75



Visible Light = 81%

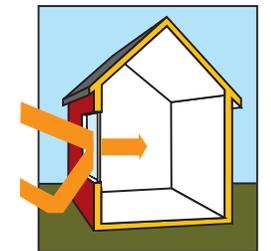


Ultraviolet Energy = 58%
Damage Weighted Transmittance = 0.74

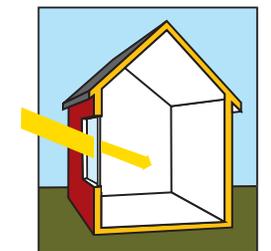
SOLARBAN 60®
INSULATING GLASS UNIT



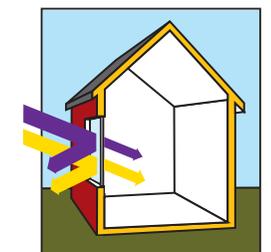
Winter U-Value = 0.25



SHGC = 0.39



Visible Light = 71%



Ultraviolet Energy = 16%
Damage Weighted Transmittance = 0.56

Winter Furnace Heat

Summer Solar Heat

Visible Light

Ultraviolet Energy