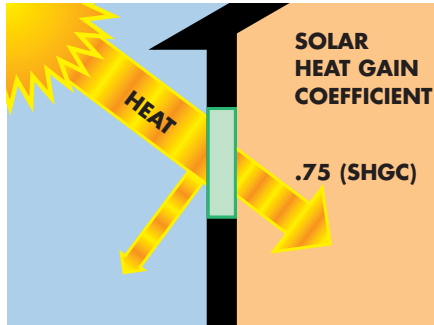




SOLARBAN® Features/Benefits Comparison

SOLAR CONTROL LOW-E GLASS **70XL**

Standard Clear Insulating Glass

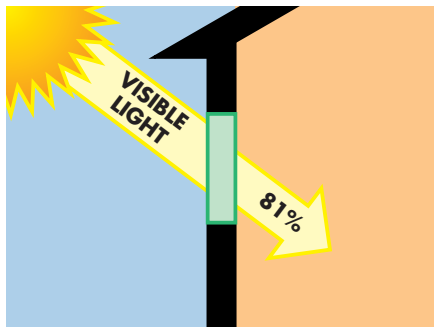
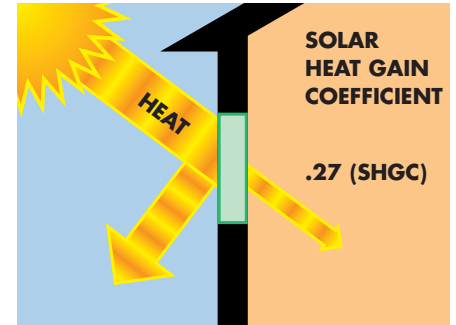


Cooler In Summer

The total solar energy transmitted through *Solarban*® 70XL (2) glass is almost 63% less than that transmitted by standard clear insulating glass.

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

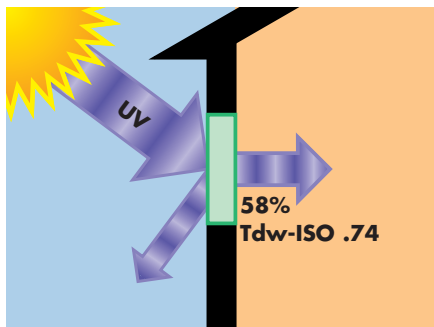
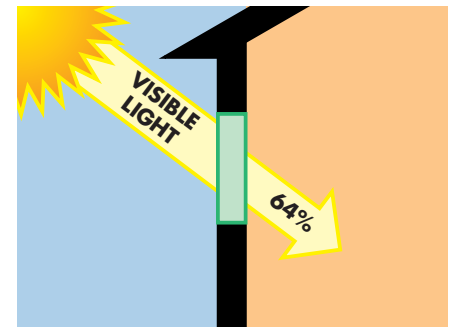
Solarban® 70XL (2) Insulating Glass



Transmits Visible Light/Appearance

The *Solarban*® 70XL (2) window transmits about 80% as much desirable visible light as standard clear insulating glass.

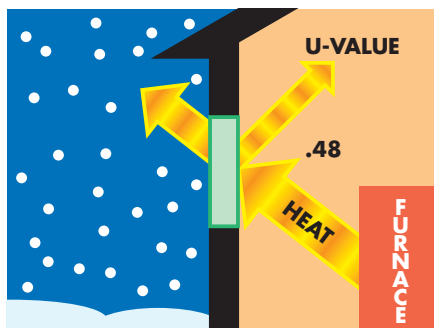
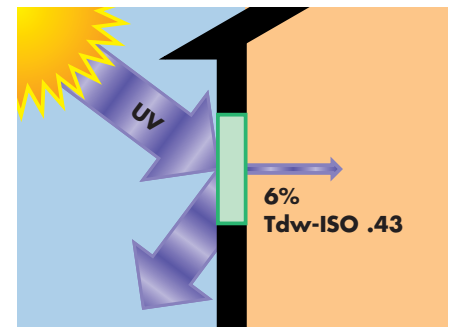
- Provides exterior appearance similar to clear glass
- Provides glare control in bright, sunny climates



Fading Factors

While *Solarban*® 70XL (2) glass blocks 94% of damaging UV energy, it also blocks other contributors to fading — in all, 42% better than standard clear insulating glass.

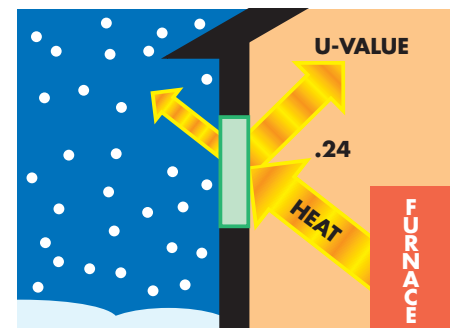
- Helps protect interior furnishings, fabrics and carpets from fading



Warmer In Winter

The winter nighttime U-Value (insulating value) of *Solarban*® 70XL (2) glass is as much as 47% 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*® 70XL 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.

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