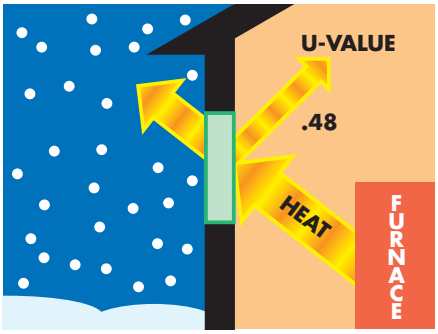
SUNGATE® 500 Low-E Glass Features/Benefits Comparison

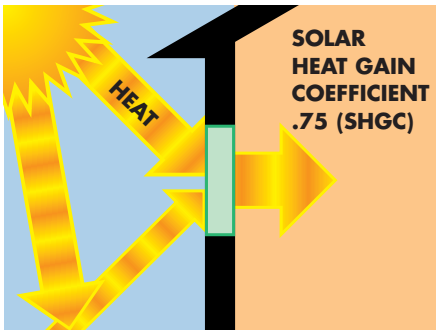
Standard Clear Insulating Glass



Warmer In Winter

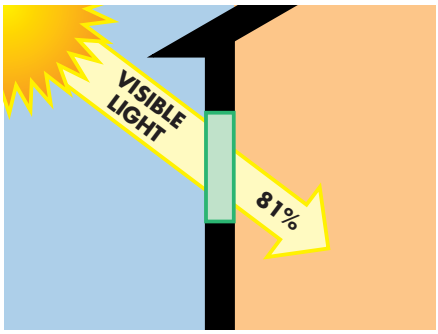
The winter nighttime U-Value (insulating value) of a ***Sungate***® 500 (3) glass is 35% better than standard clear insulating glass.

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



The total solar energy transmitted through ***Sungate***® 500 (3) glass is only 12% less than that transmitted by standard clear insulating glass.

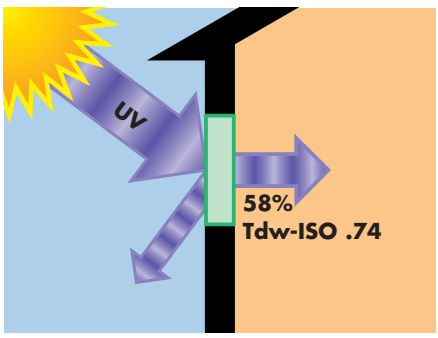
- Higher SHGC numbers mean more solar heat gain
- Helps keep interiors warmer
- Helps reduce heating energy costs



Transmits Visible Light/Appearance

Insulating units with ***Sungate***® 500 (3) transmit about 94% of the visible light as standard clear insulating glass.

- Provides exterior appearance similar to clear glass

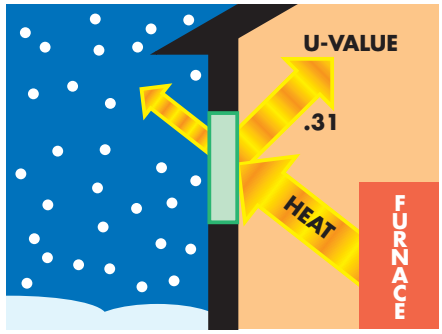


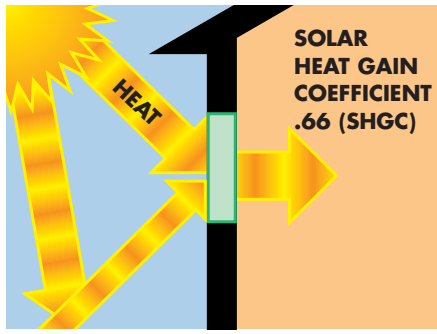
Fading Factors

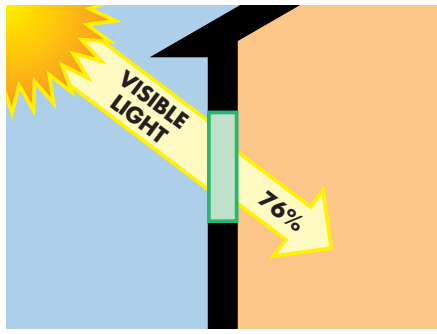
While ***Sungate***® 500 (3) glass blocks 51% of damaging UV energy, it also blocks other contributors to fading — in all, 11% better than standard clear insulating glass.

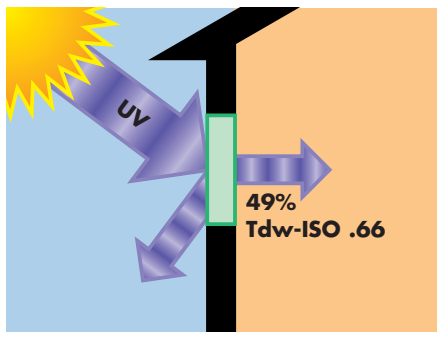
- Helps protect interior furnishings, fabrics, and carpets from fading

Sungate® 500 (3) Insulating Glass









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 *Sungate*® 500 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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Printed in U.S.A. 5053 10/09

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