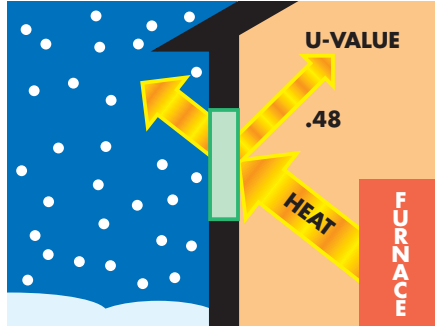


SUNGATE® 500 Low-E Glass Features/Benefits Comparison

Standard Clear Insulating Glass

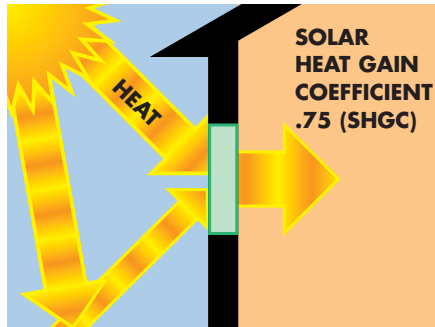
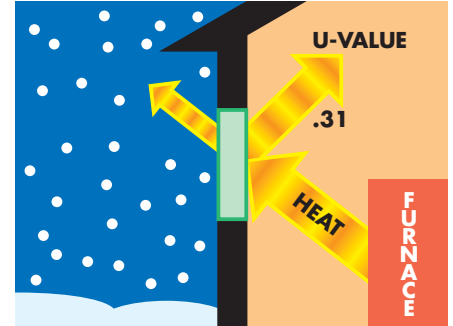


Warmer In Winter

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

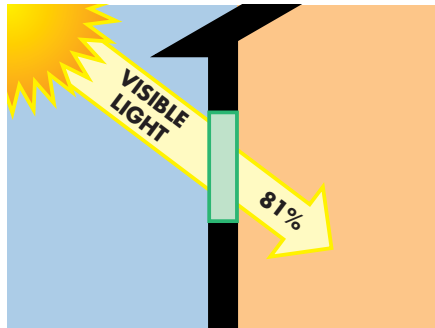
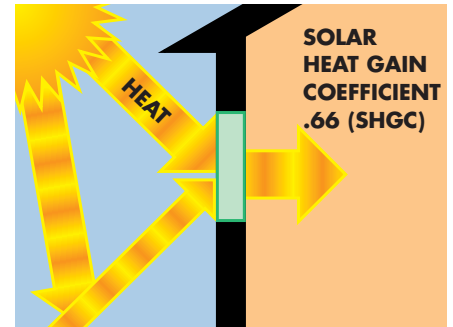
- Lower U-values mean higher performance
- Reduces furnace heat loss
- Helps reduce heating energy costs

Sungate® 500 (3) Insulating Glass



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

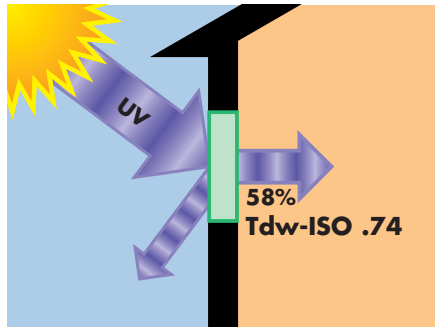
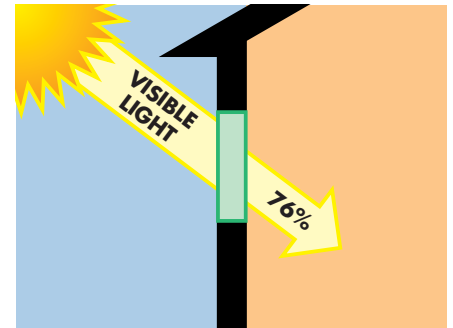
- Lower SHGC numbers mean less summer heat
- Helps keep interiors cooler
- Helps reduce cooling energy costs



Transmits Visible Light/Appearance

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

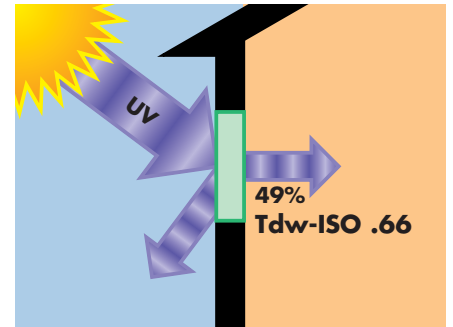
- Provides exterior appearance similar to clear glass



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



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) is a ratio of how much solar heat is transmitted through the glass compared to 1/8" (3mm) thick clear glass. (Lower numbers mean less summer heat.)

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 certification mark for MBDC.



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