



SunCoatMAX[®]
High-performance Low-E insulating glass



Clearly the best.[™]

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Milgard Low-E Glass Technology: SunCoatMAX[®] Low-E Insulating Glass.

Milgard[®] SunCoatMAX Low-E insulating glass sets a new standard. Cool in the summer and warm in the winter, SunCoatMAX Low-E delivers the highest levels of year-round comfort and energy savings, making it the perfect glass choice no matter where you live.

Capture the SunCoatMAX year round advantages:

- Improved Summertime Solar Heat Gain Reduction.
- Increased Wintertime Interior Comfort.
- Greater Ultraviolet Light Blockage protects your valuable home furnishings and floors.



Beat Summertime Heat.

Summer-time relief used to mean cranking up the air conditioning. Our solution? Milgard SunCoatMAX Low-E insulating glass. Milgard SunCoatMAX provides substantial protection from both UV-A and UV-B rays. That's protection you just can't receive with ordinary Low-E glass or certainly clear glass alone. The SunCoatMAX Low-E coating provides the best clarity and highest performance for all solar control Low-E glass products. Superior glass shading benefits without having to sacrifice natural light flowing into your home.

Glass Product	Visible Light Transmittance	Solar Heat Gain Coefficient
Single-pane, clear	90%	.86
Double-pane, clear	81%	.76
Hard-coat Low-E * **	75%	.76
Typical low LoE ²	72%	.41
Gray tinted	55%	.58
SunCoatMAX	66%	.27

* Used as one pane in a double pane glass unit.
** Hard-coat low-e with 0.20 emittance

Milgard SunCoatMAX reduces solar heat gain 64.5% over ordinary single-coat Low-E glass—even a 34% reduction over two-coat Low-E technology* -- a clear choice to improve home comfort when the sun is beating down all summer.

* Such as LoE²[®] soft coat with .41 SHGC.



Fight Winter's Heat Loss.

During winter's fury, the use of Milgard SunCoatMAX® increases the glass surface temperature at the center of each window in your home. This is important for your wintertime comfort. In fact, the "Efficient Windows Collaborative" (www.efficientwindows.org) suggests that when glass surface temperatures fall below 52°F, there is risk of thermal discomfort. Ordinarily, 75% of a window's exposed surface is glass, and the interior glass temperature affects your room's air temperature.

Center of Glass Temperature

Glass Product	-20°F Outside Temp	+20°F Outside Temp
Single-pane, clear	4°	30°
Double-pane, clear	35°	49°
Hard-coat Low-E * **	50°	58°
SunCoatMAX	52°	61°

* Used as one pane in a double pane glass unit.
** Hard-coat Low-E with 0.20 emittance



SunCoatMAX provides a substantial 19.7% center-of-glass temperature gain over clear double-pane glass with a 20° outside temperature (an even better 32.7% improvement gain at -20° outside) — a clear choice to improve home comfort when you're in the middle of winter's wrath. The use of argon gas in a SunCoatMAX glass unit could improve your thermal performance even further — consult with your Milgard Dealer.

Aluminum, Vinyl or Fiberglass. Your Choice.

SunCoatMAX Low-E insulating glass can be used to enhance your the performance of your windows and patio doors to meet or exceed today's stringent energy codes.



Fight Back UV's Costly Damage.

Gain extensive UV protection by using Milgard for your new windows and patio doors. When your sofa, rugs and flooring fade, the sun's ultraviolet rays are a main cause. SunCoatMAX offers superior UV protection in addition to superior energy savings. Milgard SunCoatMAX Low-E insulating glass provides an incredible 95% ultraviolet light blockage.

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