



# SunCoatMAX™

High-Performance Low-E Insulating Glass  
By Milgard Windows

**INTRODUCING  
Exclusive  
New Milgard  
Low-e  
Technology**



Advanced glass research has produced a home comfort advantage so effective, it is patent pending.

Since you're considering new windows, what you gain in improved home comfort and energy savings far surpasses the low-cost investment you'll make to select Milgard SunCoatMAX™ low-e insulating glass.

Milgard Introduces the Latest in Low-e Glass Technology – **SunCoatMAX™** Low-e Insulating Glass.



**Milgard SunCoatMAX™ low-e insulating glass just plain works harder! When summertime temperatures soar, you need relief. Wintertime blues? No longer do you have to suffer winter's discomfort – inside your home.**

Capture the **SunCoatMAX™** year round advantages:

- Improved Summertime Solar Heat Gain Reduction.
- Increased Wintertime Interior Comfort.
- Greater Ultraviolet Light Blockage.

## Beat Summertime Heat.

Summer-time relief used to mean cranking up the air conditioning. Our solution? Milgard **SunCoatMAX™** low-e insulating glass. A marvelous solution to reject the sun's heat and damaging rays, while keeping your home cooler and more comfortable. 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%	.72
Typical low LoE <sup>2</sup> low-e	72%	.41
Gray tinted*	55%	.58
<b>SunCoatMAX™ *</b>	65%	.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 62.5% 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's beating down all summer.



\* Such as LoE<sup>2</sup> 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](http://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.



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°
<b>SunCoatMAX™*</b>	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 representative.

## A Milgard Exclusive New Product.

**SunCoatMAX™** goes the next step with proprietary triple-coat silver oxide low-e technology -- surpassing older single and double-coat low-e product performance.

## Fight Back UV's Costly Damage.

Gain extensive UV protection by specifying Milgard **SunCoatMAX™** for your new windows and patio doors. When your sofa, rugs and flooring fade, the sun's ultraviolet rays are the #1 cause. **SunCoatMAX™** offers today's superior UV protection in addition to superior energy savings.

**Milgard SunCoatMAX™ low-e insulating glass provides an incredible 95% ultraviolet light blockage!**

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.

**Milgard SunCoatMAX™ Low-e Insulating Glass - Milgard's Ultimate Performance Low-e Insulating Glass. Clearly Renders Plain Glass Obsolete.**

If you're judging on raw performance, Milgard's **SunCoatMAX™** sets a new standard - an achievement delivering the highest levels of year-round comfort and energy savings, making it the perfect glass choice no matter where you live.

The ultimate balance of solar control and high visibility. Let's face it, you want to tame the sun's intensity - not block it into total darkness. It's a game of incredible balance and trade-offs.

You win when you gain maximum energy efficiency, optimal protection against harmful UV rays, maximizing overall light entering into your home, and improving year-round comfort whether you're heating your home or running the air conditioner.

Milgard low-e insulating glass can be used in all vinyl and fiberglass Milgard windows and patio doors to meet ENERGY STAR® guidelines - consult with your Milgard representative for more details.



Clearly the best.®

SunCoatMAX™ is a trademark of Milgard Manufacturing, Inc.  
ENERGY STAR is a registered trademark of the U.S. Department of Energy.  
LoE<sup>2</sup> is a registered trademark of Cardinal Glass Industries, Inc.  
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Every so often, homeowners have the chance to access truly evolutionary products to improve their home's performance. Milgard delivers on this opportunity with the introduction of Milgard **SunCoatMAX™** low-e insulating glass.

1.800.MILGARD

[milgard.com](http://milgard.com)