



SunCoatMAX<sup>®</sup>  
High-performance Low-E insulating glass



*Clearly the best.*<sup>™</sup>

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# Milgard's 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 <sup>2</sup> | 72%                         | .41                         |
| Gray tinted                  | 55%                         | .58                         |
| SunCoatMAX                   | 66%                         | .27                         |

\* 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'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.

## 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°                |

\* 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 SunCoatMAX® 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 today's 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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