

THERMAL MIRROR GLASS

The Science of Comfort

Thermal Mirror Glass helps keep indoor temperatures comfortable regardless of outside elements. Homeowners save money on utility bills, all year long, in any climate.

Product Highlights

- Windows with Thermal Mirror Glass that are rated and certified by the NFRC can comply with ENERGY STAR requirements for all climates in the country.
- Regulates environment, including keeping relative humidity at a comfortable and healthy level.
- Decreases fading transmission.
- Industry standard for color neutrality.
- Best in class mechanical and chemical durability, increased scratch resistance.

Energy Benefits

The challenge.

Maintaining a comfortable indoor environment is a challenge when temperatures fluctuate, sometimes dramatically, throughout the day, between seasons, and across climate zones. According to U.S. Government estimates, an average household spends more than 40% of its annual energy budget on heating and cooling.

Keeping you warm when it's cold outside.

Choosing Thermal Mirror glass can result in significantly lower heating energy costs and an improvement in insulating value by as much as 50% over standard clear glass. In cold regions, this means that windows are no longer an energy loser to be avoided— increasing glazing area with high performance windows can have little or no effect on total energy use.

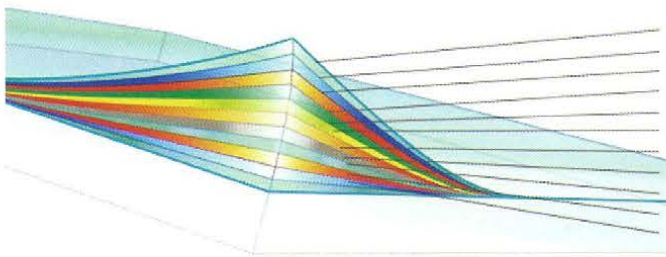
Keeping you cool when it's hot outside.

With Thermal Mirror, solar heat gain and damaging radiation can be significantly reduced without sacrificing clear views and daylight. Thermal Mirror Glass blocks up to 50% more unwanted solar energy than standard clear glass, and up to 40% more than even dark tinted glass resulting in lower air conditioning expenses and a more comfortable living environment. Thermal Mirror Glass also blocks nearly twice as much harmful radiation as clear glass, extending the life of woodwork, carpets and furnishings, while still allowing plenty of natural sunlight to brighten interior spaces.

Keeping you comfortable in any climate.

In mild climates or in climates that enjoy mild seasons, southern and western elevations of a home can be exposed to significant unwanted solar heat gain. The result is a higher temperature in rooms that are exposed to the sun, while the rest of your home and the air outside remain at a comfortable level. Thermal Mirror Glass greatly reduces this effect and helps maintain a uniform comfort level throughout the house.

Thermal Mirror is comprised of eleven optical tuned layers, providing optimal climate control, natural light. These coatings consist of multiple layers of metals whose combined thickness is only 1/100th the thickness of a human hair!

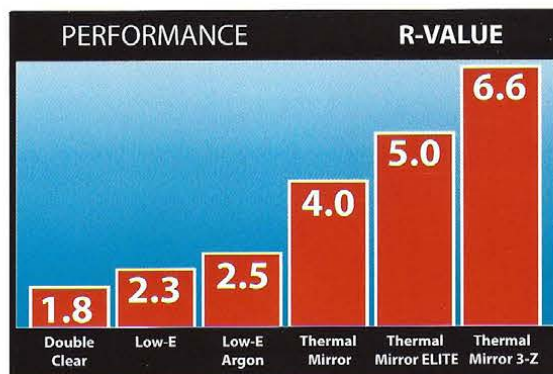


Silicone Nitrid Barrier
 Tin Oxide Optical Filter
 Nickel-Chrom Adhesive Barrier
 Silver Thermal & Solar Performance
 Zinc Oxid Performance Enhancing
 Tin Oxide Optical Filter
 Nickel-Chrom Adhesive Barrier
 Silver Thermal & Solar Performance
 Zinc Oxid Optical Filter
 Titanium Dioxide Optical Enhancing
 Silicone Nitrid Barrier

Exceeds Energy Star



Requirements



Exclusively Manufactured by



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