



## It's the vision of efficiency.

Heat Mirror® advanced insulating glass systems are found in the most energy-efficient windows on the market today. They may be the smartest, too.

Specially manufactured using a state-of-the-art glazing system that secures a unique kind of film between sheets of glass, Heat Mirror offers unprecedented thermal insulation and comfort in a window, while helping to protect you, your loved ones, and your cherished belongings from harmful UV rays.

Recognized by *Popular Science* magazine as one of the “*Top 100 Inventions of the Millennium*,” Heat Mirror insulating glass has been used around the world in state-of-the-art buildings—from single-family homes to high-profile projects like the Empire State Building.





## Looks like a window. Insulates like a wall.

By suspending one or more clear films in the airspace of insulating glass, next-generation Heat Mirror® technology creates multiple insulating spaces that buffer your home from heat gain or loss by reflecting heat back to its source. That means in the summer, your house stays cooler. And in the winter, your house stays warmer—with more energy savings than ever before.

In fact, depending on the number of films and the type of inert gases added within, insulating glass made with Heat Mirror technology can have an R-value from 6 to 20, which can insulate as well as typical walls. With such performance, windows made with Heat Mirror technology can substantially lower your energy bills.

## Expect peace and quiet—and peace of mind.

It makes sense that the most sound window system also blocks the most sound. Heat Mirror technology blocks outside noise—up to 5 decibels better than double-paned windows—creating a comfortable refuge in your favorite places.

# 5 db

## Protect your furniture— save your skin.

Heat Mirror® window systems can block over 99.5% of harmful ultraviolet (UV) radiation—a known carcinogen.

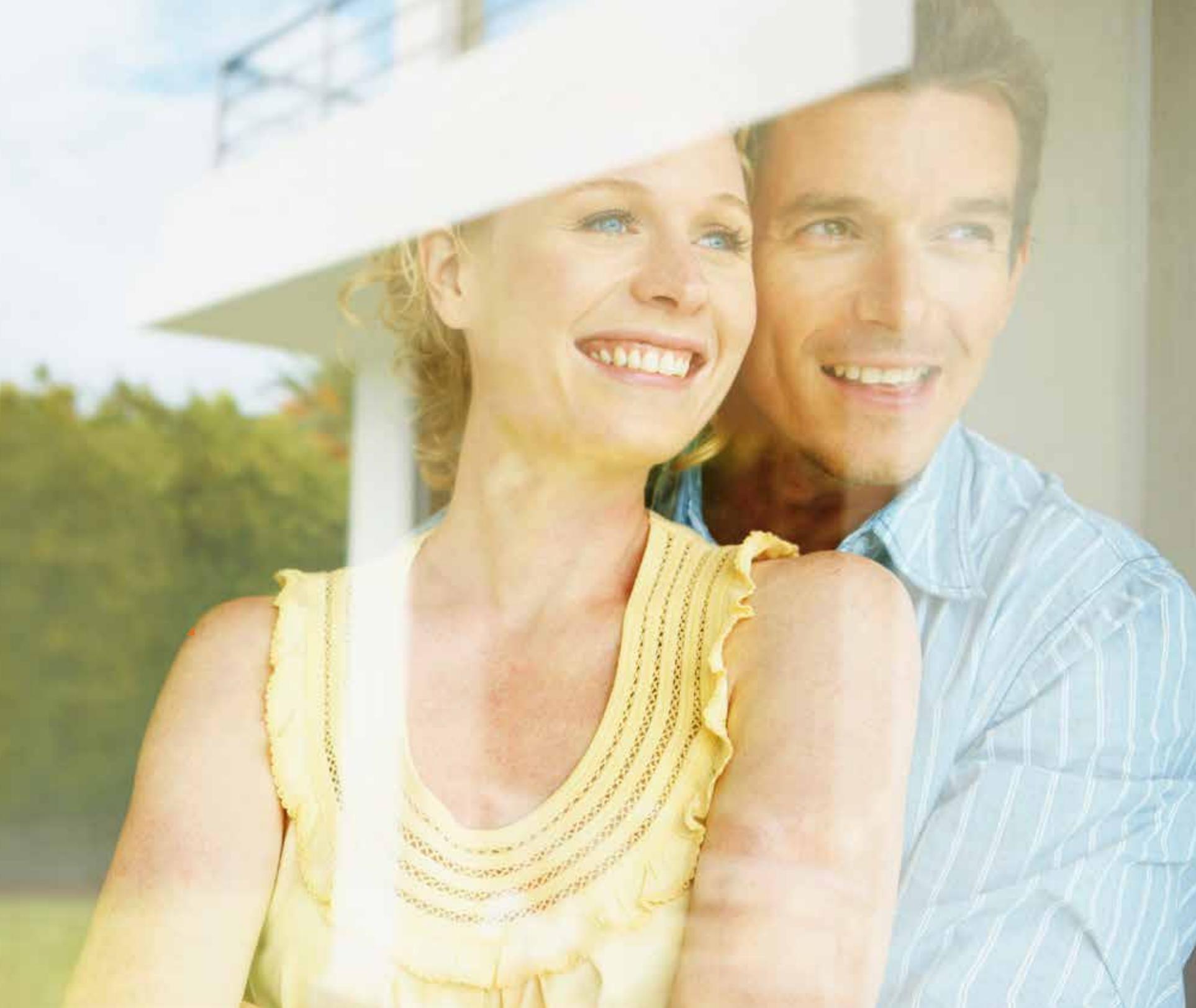
Now, you can let the sunshine through without worrying about it prematurely fading your drapes, carpet, furniture, floors, wallpaper, photographs, framed documents, artwork, and anything else you like to show off indoors . . . including your skin.



## Enjoy your entire home— the entire year.

Upgrading existing windows with Heat Mirror® insulating glass is like adding new rooms to your home, because you'll now be able to enjoy them year round.

# 99.5%



## Improve your views— and your outlook.

With maximum UV protection and incredible energy efficiency, Heat Mirror® insulating glass provides more architectural and interior design freedom for architects, builders, and homeowners alike.

Now it's possible that your most energy-efficient window will offer the most spectacular view. Put beautiful large windows where you

want them to enhance daylighting and vistas, while better controlling morning warmth and afternoon coolness.

Heat Mirror window systems enable you to improve all sides of your home—especially the inside.

## The window of the future is here.

With superior thermal performance, Heat Mirror® is the ideal choice for almost every application, providing outstanding winter insulation and superior solar control for year-round savings and enhanced comfort you can feel.

Because film is essentially weightless, you can design larger windows with more insulating performance than ever before—all while blocking UV radiation and reducing outside noise more effectively than double-pane glass.

Backed by a 20-year warranty, Heat Mirror advanced insulating glass systems are the most energy-efficient windows on the market. In fact, Heat Mirror has been voted a “Best Green Building Product” by readers of *ARCHITECTH* magazine. Even more impressive, it has been recognized by *Popular Science* magazine as one of the “Top 100 Inventions of the Millennium.” Heat Mirror is brought to you by Eastman, a company with a global reputation for innovation and quality.

## Insulating glass comparison table

To make sure you get the exact window performance for your project, Heat Mirror® advanced insulating glass provides a wide range of visible light, solar control, and thermal insulation to meet almost any performance requirement.

	Airtight chambers	Insulating performance*		Solar heat gain coefficient	Visible light transmittance, %	UV blocking, %
		R-Value	U-Value			
Standard dual-pane clear IG	1	R2	0.50	0.78	82	42
Standard dual-pane coated IG	1	R4	0.25	0.27	65	95
Standard triple-pane coated IG	2	R5	0.19	0.25	57	97
Heat Mirror® IG	2	R6	0.16	0.24–0.51	57–70	99.5
Heat Mirror® IG	3	R10	0.10	0.23–0.44	51–62	100
Heat Mirror® IG	4	R20**	0.05	0.22–0.38	45–55	100

\*Center of glass values calculated using WINDOW 6.3 software and standard NFRC environmental conditions.

\*\*Requires Krypton gas fill

- Superior insulating performance reduces energy costs.
- Solar control film enhances indoor comfort.
- UV protection helps protect skin and reduces interior fading.
- Noise reduction creates a quiet interior environment.

## Windows that insulate like walls.

With superior thermal performance, Heat Mirror® is the ideal choice for almost every window and door application, providing outstanding winter insulation and superior solar control for year-round savings and enhanced comfort you can feel.

For more information on Heat Mirror technology, visit [www.HeatMirror.com](http://www.HeatMirror.com).

To locate a manufacturer featuring Heat Mirror insulating glass, go to [www.HeatMirror.com/WhereToBuy](http://www.HeatMirror.com/WhereToBuy).



### Next Generation Heat Mirror® IG

**EASTMAN**  
The results of insight™

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