



suntuitive®

Self-tinting Glass™



Children's Learning Adventure® in
Katy, Texas, USA



Unity Christian High School,
Hudsonville, Michigan, USA



Masco Corporate
Headquarters Livonia,
Michigan, USA



Office building in Midland,
Michigan, USA

Visit: www.SuntuitiveGlass.com



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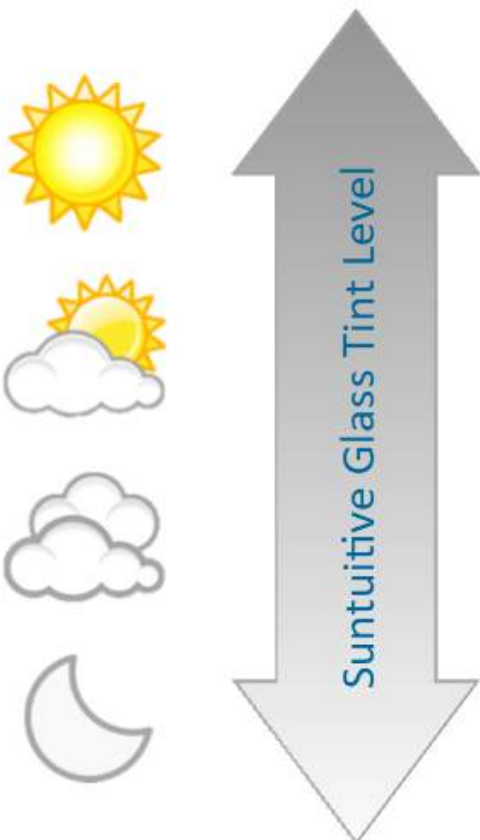


WHAT IS SUNTUITIVE[®] DYNAMIC GLASS?

Suntuitive is a self-tinting glass technology that darkens gradually and dynamically when heated by direct sunlight.



In the image above, the window on the far right does not have Suntuitive glass. The Suntuitive glass panes have tinted to balance the brutal glare and heat.



HOW DOES SUNTUITIVE WORK?

Suntuitive self-tinting glass gradually darkens in response to rising temperatures caused by direct sunlight on the window. As the sun moves across the sky, Suntuitive glass will cool and return to its clear state. At night or in cloudy conditions, when direct sun is not present, Suntuitive glass remains clear and allows the most natural daylight possible.

Suntuitive glass naturally and passively adapts throughout the day, every day of the year, constantly balancing the heat and glare coming into your building.

PRESERVING YOUR VIEW

Suntuitive glass preserves your view by reducing the need for shades, blinds, exterior overhangs and other light-blocking devices. In addition, it blocks heat before it enters the building.

Embrace
100%
of your view
365
days a year

Suntuitive self-tinting glass helps manage your building's changing needs for passive solar heat gain, solar control and natural daylight transmittance.

Building occupants enjoy more consistent, comfortable temperatures, reduced interior glare, more natural lighting and clear views of the outdoors every day of the year.

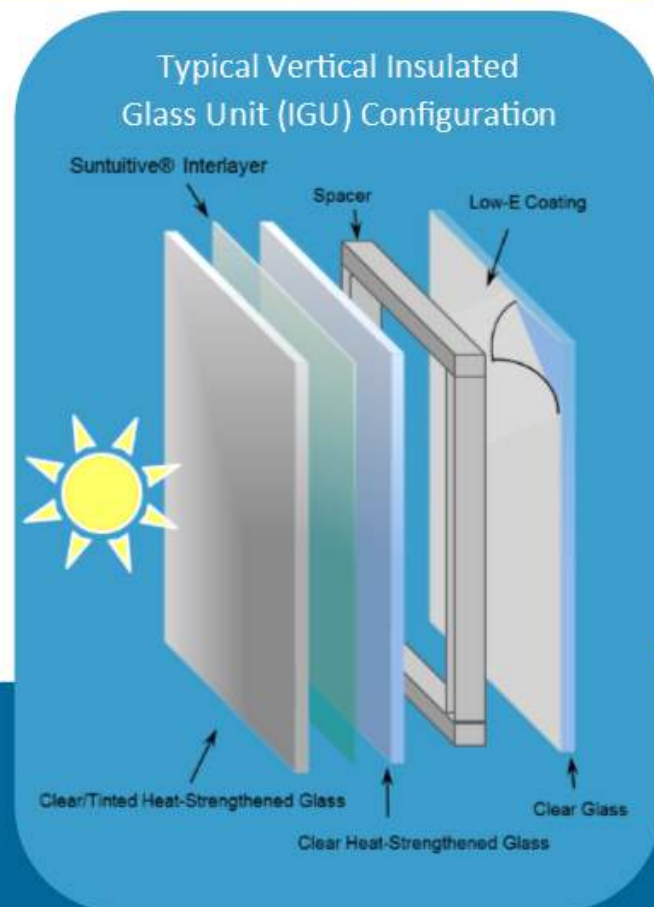
*comfort
sustainable*

dynamic

UNMATCHED SECURITY & PROTECTION

Suntuitive self-tinting glass consists of laminated glass that is insulated with a piece of Low-e glass. With this laminated design, Suntuitive glass significantly enhances building security and reduces outside noise.

- Suntuitive glass shields occupants and furnishings from damaging UV and reduces absorbed heat and light which contribute to fading
- Unobstructed views—spot a threat before it reaches your building
- Passed forced entry test: UL972
- Passed impact test: CPSC 16 CFR
- Acoustic Test: ASTM E90-09



Suntuitive glass fully tinted



Suntuitive glass clear at night

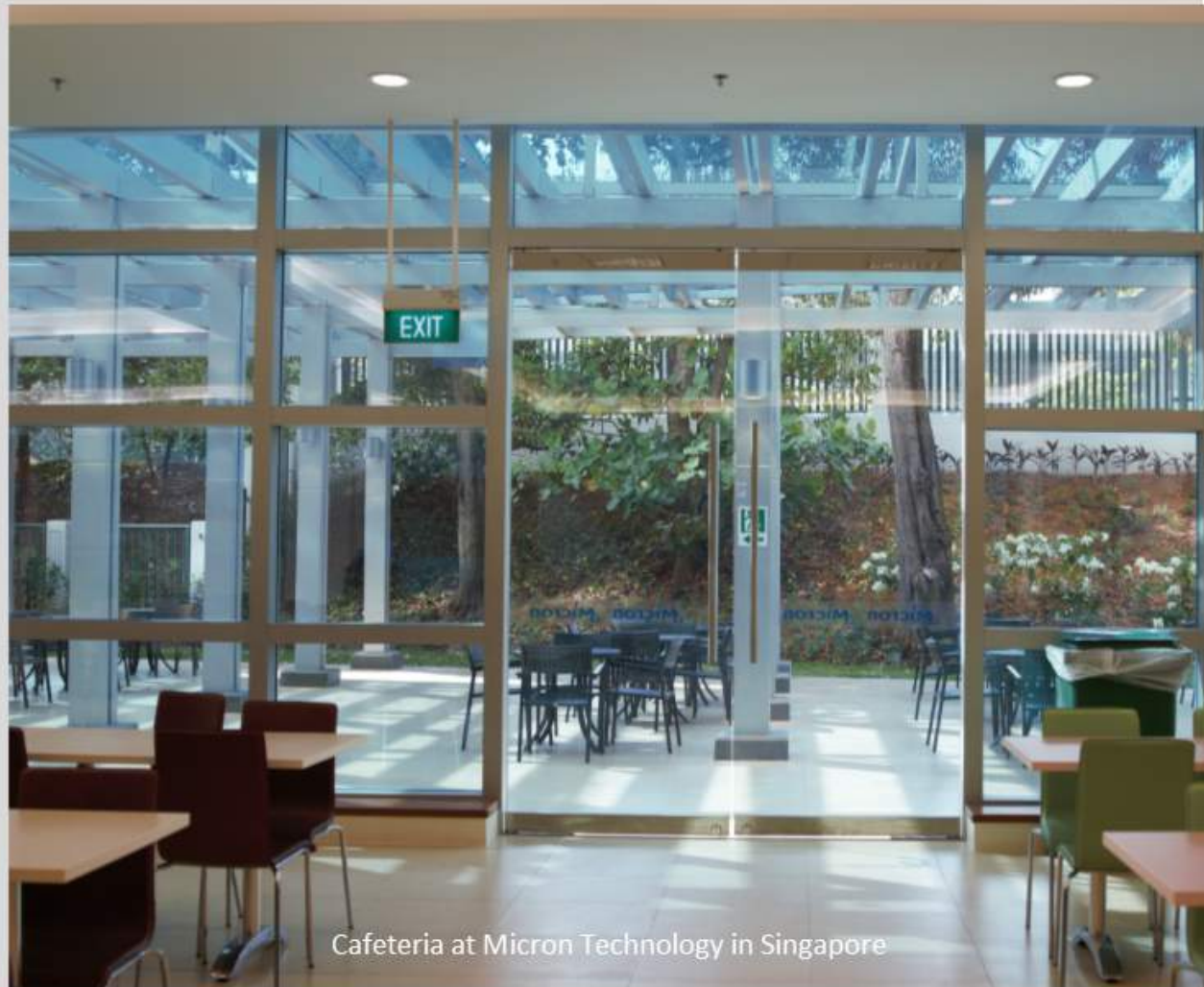
OPTIMIZING DESIGN

Use all of the space in your building, including the precious window real estate, while maximizing occupant comfort and performance.

Retail shops with quality daylighting consistently yield higher profit margins than their dim counterparts, offering a 40% competitive advantage.¹

Comfort is maximized by:

- A clear view of the outdoors
- Allowing for increased use of daylighting
- More consistently comfortable temperatures
- Reduced glare



Cafeteria at Micron Technology in Singapore

Off the Grid

Suntuitive glass draws all of its operational energy directly from the sun. The process is entirely self-sustaining and the glass does not require wiring or manual intervention.

No wires, no worries.



SMART & SUSTAINABLE

Green features:

- Powered by heat from direct sunlight
- No manual, mechanical or electrical intervention
- Presents opportunities to significantly reduce greenhouse gas emissions
- With Suntuitive glass, occupants can see and experience the energy savings and well-being the technology offers
- Durable and maintenance-free
- Can contribute toward LEED certification
- Suntuitive glass is a GreenSpec® listed product putting it in the top 10% of green building products



¹The Economics of Biophilia by Terrapin Bright Green LLC, 2012

²Buildings Energy Data Book – U.S. Department of Energy



Energy Savings:

- Suntuitive glass can lower costs associated with air conditioning, artificial lighting and heating, which is up to 50% of a building's total energy consumption²
- Potential to significantly downsize a building's heating and cooling systems
- The greatest energy savings come during times of peak energy consumption, when energy costs are higher, saving you money and preserving the environment

VERSATILITY

Suntuitive glass is perfect for:

New construction or retrofit solutions where solar heat and glare are a concern

Applications possible:

Vertical or sloped windows that can be curved or shaped

The possibilities are endless...

Suntuitive glass can be combined with most tints of glass and paired with many different low-e coatings

INSTALLATION

Suntuitive glass installs the same as any other typical glass unit (or IGU)

Size:

Maximum size is 64" x 140"



The Suntuitive Glass Solution

In a typical window, the performance and tint are fixed – but the environmental conditions are always variable. Finding the right balance between visible light transmission (VLT) and solar heat gain has typically been a compromise and the windows would either be constantly dark or allow too much heat and glare. Now, windows with Suntuitive glass continuously adapt to provide heat and glare control while maximizing visible light, without compromise.

Suntuitive Glass Helps Create a Natural Balance

HOW TO BUY

Suntuitive glass is available with most window manufacturer frames and commercial framing options. Call or click today to discuss your project and we will connect you with a local representative or an authorized Suntuitive glass distributor.

CALL: 616.662.7216 or CLICK: www.SuntuitiveGlass.com





Dow Business Process Services Center (BPSC) in Midland, Michigan, USA



Retail store in Katy,
Texas, USA



Dealership in Schaumburg,
Illinois, USA

CONTACT US TODAY

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