



MORE THAN MEETS THE EYE  
GUARDIAN GLASS *for* NORTH AMERICA





If you know glass, you know  
there's more than meets the eye.

And if glass means more to you,  
you should know Guardian.

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LOOK AGAIN



Guardian is changing  
the way the world  
experiences glass

In our vibrant Science & Technology Center and in our manufacturing facilities around the globe, we work continuously to make glass perform in new ways—solving the customer needs of today and discovering the potential of glass for tomorrow.

Every time you choose glass, you have an opportunity to make your project stronger, smarter, better looking. Whether you select SunGuard® architectural glass to heighten the performance of a skyscraper, or use DiamondGuard® to create scratch-resistant windows for public transportation, Guardian innovation can give you more.

Our approach pairs sophisticated manufacturing capabilities with deep research into the chemical nature of glass and ceramics. As a result, we can infuse glass with properties that optimize its performance for any purpose and environment. We have applied for or registered over 700 U.S. patents, but the real value is glass that offers exceptional durability, ultraviolet protection, heat retention, reflection, solar transmission and more.

If the glass you need doesn't exist today, we invite you to talk with us—and discover what we can develop together.

## Guardian is committed to growth, innovation and you

With locations on five continents in more than 25 countries, Guardian knows how to ask, "How may we help you?" in dozens of languages. National and multinational customers appreciate our global knowledge of industry trends and ability to satisfy high-speed, high-volume requests and support all of their locations.

Established in 1932, Guardian today is a multibillion dollar company—a strong and dependable partner highly responsive to customer needs. As one of the world's largest manufacturers of float glass and fabricated glass, we control quality from the outset of each solution. Our extensive capabilities in coating, treating and fabricating glass give customers extraordinary choice and the ability to add genuine value to their projects. Find our products scaling skyscrapers and equipping high-performance homes... protecting delicate electronics and drivers on hostile terrain... converting energy into electricity and making artful impressions.

Guardian operates with an attitude of responsibility. A corporate commitment to ethics guides us. We care for people and the environment by producing safe, reliable products; protecting the health and safety of customers, employees and neighbors; and using natural resources efficiently and respectfully.

The Guardian promise to customers and consumers is fulfilled through strong partnerships with skilled fabricators, dealers, window manufacturers, architects and designers. We invest in these relationships and support mutual, continuous learning to elevate our work together.

Our decisions are driven by product quality, customer satisfaction, and a passion for developing glass solutions that look better, last longer and outperform their predecessors.



### A GLOBAL PRESENCE

*Guardian has locations in more than 25 countries around the world.*



*Guardian glass adorns extraordinary buildings, including the world's tallest, Burj Khalifa in the UAE. The building features SunGuard Silver 20.*



**BEHIND THE GLASS**

*Float glass begins with mountains of silica sand and select raw materials, heated to a liquid state and floated on a bath of molten tin to produce a perfect ribbon of glass. Guardian brings the process and results of glassmaking to new levels, applying deep knowledge of chemistry, physics and advanced technologies to create glass with optimal light transmission, clarity and integrity for custom treatments and fabrication.*



Great glass design begins with quality float glass—a Guardian specialty

**Start with quality float glass**

Our float glass is available in a range of thicknesses and colors, including clear, green and other tints. We also offer specialty tints that customers can choose to control the appearance and performance of glass.

**Clear glass** of the highest quality is available for a wide range of applications.

**Green glass** in various shades is available for commercial, automotive and other applications.

**UltraWhite™** low-iron is exceptionally clear, sparkling glass that welcomes abundant light.

**UltraClear™** low-iron is virtually colorless for highly specialized applications.

**CrystalGray®** is light gray in color and transmits visible light well while reducing solar heat gain.

**TwilightGreen™** provides excellent solar control and energy savings with a rich green color.

**MidnightGray™** offers excellent solar control, energy savings and privacy with a dark gray color.

**Add exceptional value**

As part of our manufacturing process, Guardian can infuse glass with special properties, helping our customers achieve impressive performance and dramatic visual effects. We can improve safety, increase comfort, lower cost, preserve a like-new look, include color and graphics, add privacy and more.

**Heat-treated glass**, including heat-strengthened and tempered glass, resists breakage and, if broken, fractures in a way that reduces the likelihood of serious injury.

**Laminated glass** delivers strength, beauty and sound control with abundant color options by bonding a plastic interlayer between two or more panes of glass under heat and pressure.

**Coated glass** can heighten performance in a number of ways, including increasing energy-efficiency, reducing solar heat gain, virtually eliminating reflection, resisting scratches and corrosion under harsh conditions, and more.

**Mirror glass** is beautifully reflective, durable, easy to clean and long-lasting.

**Textured and etched glass**, including our exclusive Berman Glass editions designer textures, add depth, drama and degrees of privacy to a range of applications.

We collaborate with our clients to solve their glass needs. And we support them every step of the way with extensive technical resources and powerful online tools.

In the pages that follow, we describe a selection of our products for commercial, residential, interior, security and automotive applications. Ask us to learn more—or to collaborate on something altogether new.

## Build with light

SunGuard® Advanced Architectural Glass from Guardian helps architects create striking building designs using natural light and color—while significantly reducing energy costs. SunGuard low-emissivity and solar control coated glass is specifically designed for a wide variety of commercial applications, including office buildings, high-rise apartments, schools, hospitals, libraries, government buildings, arenas and more. We can help architects and designers with glass solutions that meet local performance needs and realize their vision.



Top left: SunGuard Silver 32 and Neutral 61 permit spectacular views from the sky-scraping Time Warner Center in New York City.

Top right: Waterplace, Salem, Oregon, uses SunGuard SuperNeutral 54 to create a stunning mixed-use space.

Bottom: SunGuard AG 43 helps make Salmon Bay Landing, Seattle, Washington, beautifully efficient.

Guardian SunGuard products offer many performance coatings applied to a range of float glass substrates including clear, UltraWhite low-iron, green, TwilightGreen and CrystalGray.

**SunGuard SuperNeutral 68** lowers solar heat gain and transmits light beautifully for outstanding energy savings and a clear, neutral appearance.

**SunGuard SuperNeutral 62 and SuperNeutral 54** offer lower light transmission to reduce glare and solar heat gain while still providing low reflectance and neutral appearance.

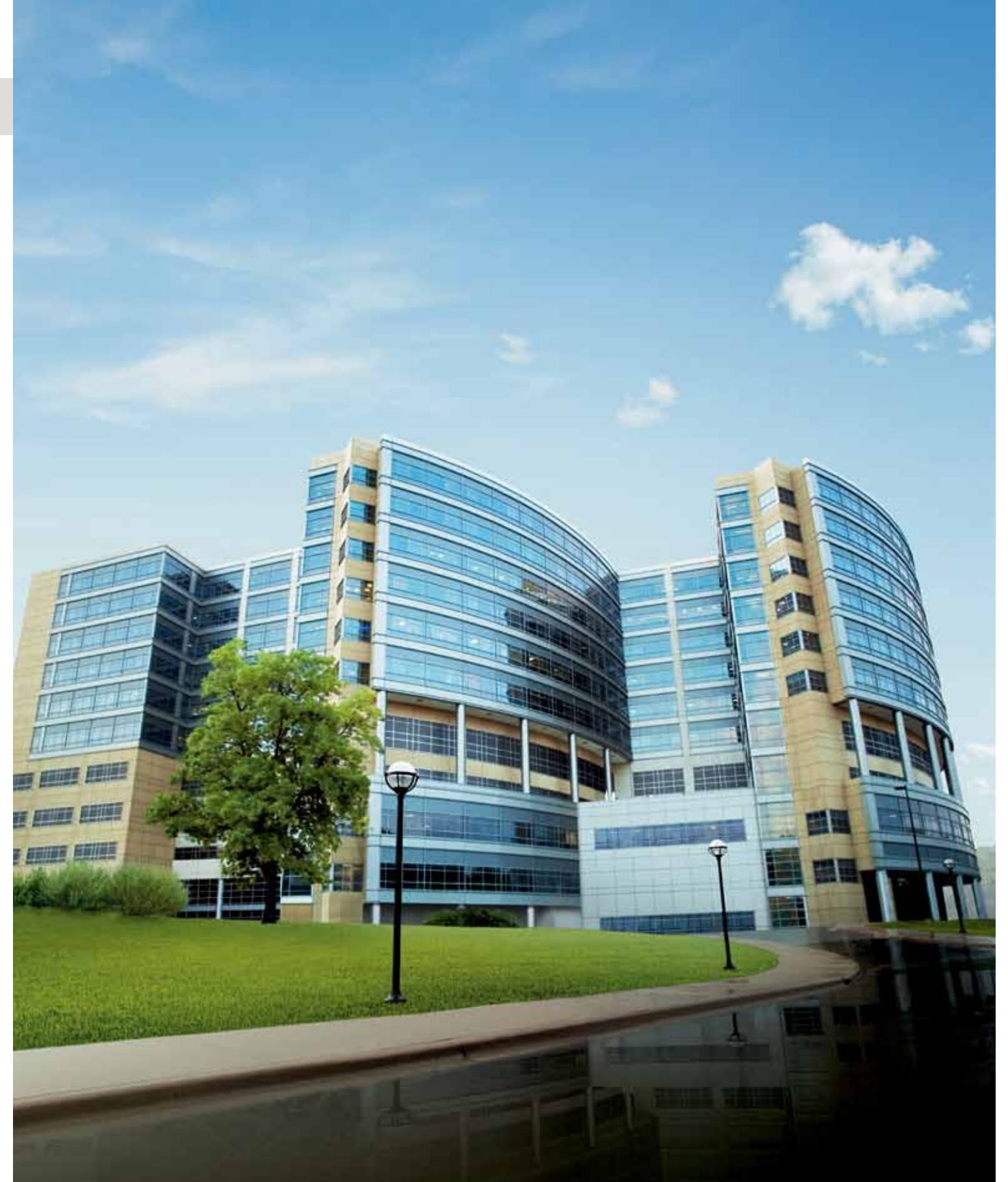
**SunGuard SNX 62/27** employs triple-silver technology to provide our highest light-to-solar-gain ratio of 2.30, delivering more light with less heat gain in one neutral coating.

**SunGuard SNR 43** offers a light silver appearance with a very low solar heat gain coefficient of 0.23 in a standard insulated glass unit.

**SunGuard AG and NU Series** products provide medium light transmission, typically 40% to 60%, on clear glass with excellent energy performance in silver, light gray and light blue appearance options.

**SunGuard IS 20** is a game-changing, interior surface coating that delivers superior thermal performance, lowering the U-factor of double glazing to approach triple-glaze performance.

SunGuard offers many additional options, including **Light Blue 63, Royal Blue 40, Silver 32 and Silver 20.**



SunGuard SuperNeutral 68 and SunGuard Neutral 40 offer scenic views and abundant natural light, both important to the design of the University of Michigan C.S. Mott Children's Hospital, Ann Arbor, Michigan.



*SunGuard SuperNeutral 68 helped create the state-of-the-art University of Michigan Cardiovascular Center, Ann Arbor, Michigan.*



*SunGuard Neutral 40 shines on the statement-making Arc Condominium, Toronto, Ontario.*

#### Expert customer care

Guardian offers unique capabilities and quality craftsmanship from production to installation via our independent Guardian Select® Fabricator Network and Glazier Connection partners. Professionals in these exclusive groups have completed a rigorous training and certification process administered by Guardian. This network also enables glass to be fabricated closer to the project location, shortening delivery times, which may help the project earn LEED credit.

SunGuard's online home at SunGuardGlass.com provides a wide array of product information, as well as intuitive tools and resources to help architects specify SunGuard products, including a searchable project database, a performance comparison tool and our Guardian Select Fabricator and Glazier Connection locators.

#### Knowledge sharing

Guardian participates in the American Institute of Architects Continuing Education System (AIA/CES) by providing seminar presentations that architects can attend to build their glass knowledge and, in most cases, earn Health, Safety and Welfare credits. Online education is also available at [continuingeducation.construction.com](http://continuingeducation.construction.com), in cooperation with McGraw-Hill Construction.

Call 866.GuardSG (866-482-7374), email [SunGuardGlass@Guardian.com](mailto:SunGuardGlass@Guardian.com) or visit [SunGuardGlass.com](http://SunGuardGlass.com) to learn more.

#### GREEN BUILDING ADVANTAGE

*SunGuard products offer tremendous energy savings and more. They can contribute to the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) program for commercial projects in five categories: Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality, Innovation in Design and Regional Priority.*



*Aquí is an organic texture with freehand vertical markings—part of the Berman Glass editions signature glass texture series available exclusively through Guardian.*

## Design forward

Our InGlass™ portfolio sets the standard for quality and brings the beauty and performance of interior glass to new places. InGlass products are infused with innovation to exceed the design capabilities of ordinary glass. Think scratch resistance 10 times that of ordinary glass. Dramatic light control and privacy options. Corrosion resistance under punishing conditions.

InGlass is also available in stunning variety. Architects and designers can access hundreds of combinations of performance benefits, colors, textures and finishes to create inspiring floors, walls, stairs, railings, shelves, fixtures and more.



**Berman Glass editions** is a series of signature glass textures hand-designed by pioneering glass artist Joel Berman. Each is pressure-formed in volume to fit your budget and timeframe. Exclusively manufactured and distributed by Guardian, this series invites architects and designers to transform almost any setting with the look of custom glass.

**DiamondGuard®** high-endurance glass is bold, brilliant and true. Bold in the face of wear and tear. Brilliant in a patented process that delivers unprecedented performance. True in its enduring value. Infused with carbon strength, DiamondGuard resists scratching and looks like new up to 10 times longer than ordinary glass. Consider it for everything from tabletops to windows and walls. This product's endurance in the real world redefines the possibilities for glass.

**ShowerGuard®** is the first bath and shower glass that provides permanent protection against corrosion and discoloration. Manufactured and sealed with Guardian's patented ion-beam process, ShowerGuard shower enclosures, glass doors and washroom surfaces maintain a like-new appearance for years to come.

**SatinDeco® acid-etched glass** is smooth to the touch and easy on the eyes. Three levels of translucence and a wide range of options let designers control what they reveal and conceal. Add interest and privacy with SatinDeco windows, dividers, tabletops and more.

**Standard textures** lend privacy and dimension with a wide range of options at an exceptional value.

## INGLASS ADVANCED INTERIOR GLASS

**DecoCristal®** shows off bright, bold color. Glass is painted on one side with an opacified organic paint that dries to a lacquered finish. Consider DecoCristal for statement-making walls, doors and dividers.

**Laminated glass** delivers advanced safety and sound control by bonding two panes of glass with a variety of interlayers. Laminated glass is also available in a rainbow of colors.

**UltraClear™** low-iron glass is the natural choice when true color neutrality and clarity count. Expect high light transmission without the greenish tint of standard glass.

**UltraMirror®** corrosion-resistant mirror is beautifully reflective and stays that way, resisting moisture, chemicals and abrasions. In hospitality restrooms and other high-traffic settings, UltraMirror can heighten beauty and reduce the cost of cleaning and replacement.

**Switchable glass** transitions from clear to opaque with the flip of a switch, for ultimate privacy control in conference rooms, consultation spaces, enclaves and more.

### Expert guidance

InGlass includes a circle of professionals who believe in customer service. Savvy engineers know how to make glass work for almost any application. The Guardian Select® Fabricator Network and Glazier Connection ensure that the integrity of each design is matched by the quality of its craftsmanship. And, they know the importance of minding project requirements, schedules and budgets. Field service representatives usher projects through the supply chain, ensuring the experience and end results exceed expectations.

### Rich, intuitive resources

InGlass is designed to fully support the creative process. A host of intuitive specification tools on GuardianInGlass.com helps busy architects and designers move from concept to clarity to construction with ease. The site offers deep knowledge, including a robust applications database and illustrations for download.

Call 855.58.GLASS (855.584.5277), email [Info@GuardianInGlass.com](mailto:Info@GuardianInGlass.com) or visit [GuardianInGlass.com](http://GuardianInGlass.com) to learn more.

### THE INGLASS EXPERIENCE

*A comprehensive sample system and viewer make it easy to preview products in almost any combination. Visit [GuardianInGlass.com](http://GuardianInGlass.com), our comprehensive resource for architects and designers. Our Online Glass Wizard makes it possible to find the right solution in just a few clicks. Request our sample system and connect to our network of supportive suppliers to experience InGlass in person.*







*ClimaGuard SPF® welcomes natural daylight while it blocks 99.9% of UV rays that fade and damage home furnishings, textiles and artwork*



## The science of comfort

Homeowners find their living space more beautiful, comfortable, safe and energy efficient with ClimaGuard® residential glass. This growing family of products is designed expressly for residential settings. Windows, skylights, entry doors and garage doors can be tailored to suit specific climates, exceed performance expectations and achieve distinctive style.

Maintaining a comfortable indoor environment is a challenge when temperatures fluctuate 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. With ClimaGuard, it is possible to welcome natural light and neutralize the negative effects of sunshine and frosty temperatures.

In cold regions, choosing ClimaGuard residential window glass can significantly reduce heating energy costs and improve insulating value by as much as 50% over standard clear glass. In high heat regions, ClimaGuard glass can block up to 50% more unwanted solar energy, keeping indoor temperatures comfortably cool. In mild climates or seasons, ClimaGuard glass helps maintain a uniform comfort level throughout the house, reducing unwanted heat gain in rooms with harsh southern or western exposure.

ClimaGuard offers these benefits and more with striking color neutrality for a crisp, clear view.



### CLEAR ADVANTAGE

*Residential window makers find competitive advantage in ClimaGuard glass and a capable, innovative partner in Guardian.*



### Save energy

ClimaGuard low-E products are formulated to meet specific solar- and energy-control needs of differing climates and in alignment with energy codes and guidelines including ENERGY STAR.

**ClimaGuard IS** reflects radiant heat back into the home. This interior surface coating is suited for cold climates and performs well in tandem with other ClimaGuard products.

**ClimaGuard HiLightR 802** is an innovative double-sided product, combining two Guardian coatings on either side of a single pane of glass. Ideal for extremely cold climates, this product insulates against heat loss while welcoming daylight and warmth from outside.

**ClimaGuard 62/27** is ideal for hot, sunny climates. This triple-silver coating has a very low solar heat gain coefficient, reflecting outdoor heat while allowing abundant visible light to enter the home.

**ClimaGuard 71/38** offers balanced performance in regions with warm summers and cold winters.

### Fight fading

**ClimaGuard SPF®** welcomes natural daylight while it blocks 99.9% of UV rays that fade and damage home furnishings, textiles and artwork.

### Improve safety, security and comfort

**ClimaGuard LamiGlass®** bonds a plastic interlayer between panes of glass. It controls sound, achieving superior Outdoor-Indoor Transmission Class (OITC) ratings. It protects furnishings, blocking 99.9% of UV rays. And it resists impact, providing protection from intruders.

**ClimaGuard Tempered Glass** is four to five times as strong as regular glass, making it a smart choice for vulnerable surfaces, such as shelves, doors and railings.

Call 800.521.9476, email [ClimaGuardInfo@ClimaGuard.com](mailto:ClimaGuardInfo@ClimaGuard.com) or visit [ClimaGuardGlass.com](http://ClimaGuardGlass.com) to learn more.



Architects and builders use high-performing ClimaGuard glass to construct energy-efficient homes in any climate.

## Power through glass

Converting the sun's energy into electricity is powerful work, and Guardian glass can make it more efficient. Our EcoGuard® products for solar and thermal applications are designed and proven to raise energy system performance. Using glass, mirrors and specialized coatings, we can tailor a solution to meet unique needs, whether concentrating solar power, employing photovoltaics or capturing the sun's energy for a greenhouse.

### Solar energy

**EcoGuard Float** is a low-iron float glass designed to maximize solar energy transmission. It offers optimal energy and light transmission for photovoltaic energy systems, concentrating solar power (CSP) mirrors, concentrating photovoltaic systems, solar thermal applications and more.

**EcoGuard Pattern** is a low-iron annealed or tempered pattern glass designed to maximize solar energy transmission and enhance photovoltaic module performance. Find this product at work in photovoltaic energy systems, solar thermal collectors, greenhouses, lighting and other applications requiring high solar transmission.

**EcoGuard Pattern AR** is the ideal choice for photovoltaic energy systems, solar thermal collectors, greenhouses, lighting and other applications requiring high solar transmission. This anti-reflective product makes it possible to capture light at optimal wavelengths even in diffused or low-angle sunlight.

### Solar energy high-performance coatings

**EcoGuard Mo** is Molybdenum coated glass designed to optimize the conductive characteristics of CIS and CIGS photovoltaic systems.

**EcoGuard TCC** is glass with a specially designed transparent coating that optimizes the conductive characteristics of photovoltaic systems that use CdTe solar cells.

### Glass for concentrating solar power

**EcoGuard Solar Boost** is a family of mirrored products made with EcoGuard Float glass to provide best-in-class solar reflectivity and enhanced durability. Included are laminated and monolithic parabolic mirrors designed specifically for CSP parabolic trough systems with industry-leading performance flat mirrors designed for concentrating solar thermal applications, and solutions for solar applications where secondary reflectors are used.

Call 888.372.8605, email [SolarGlass@Guardian.com](mailto:SolarGlass@Guardian.com) or visit [Guardian.com](http://Guardian.com) to learn more.



*EcoGuard flat laminated mirrors were used to create Gemasolar, a solar energy plant distinguished by its ability to generate high power outputs in the absence of solar radiation.*

Gemasolar Plant, Torresol Energy property, © Torresol Energy



Ideal for electronic displays, highly efficient lighting and commercial refrigeration, Guardian technical glass solutions meet exacting specifications and deliver advanced performance—adding value for product manufacturers and their customers.

## Clearly smart

Expect advanced performance and dependable quality. Guardian's technical glass components are engineered with flawless clarity, custom coatings and special treatments to maximize their optical, thermal and structural properties.

Guardian glass experts can work directly with original equipment manufacturers and their customers to meet exacting project requirements and innovate custom solutions.

### Electronics products

Guardian glass lets electronics manufacturers sharpen the image and perfect the performance. Bring pictures to life with anti-reflective glass and optical filters. Capture and project with mirror glass ideal for imaging devices, including copiers, scanners and projectors. Protect delicate equipment with our DiamondGuard® high-endurance coating and our SI Glass coating that keeps sodium in the glass and out of your electronics. Create interactive electronics applications that respond to touch with conductive glass. Brand and customize through specialty edges, tempering, lamination and silk screening.

### Lighting products

Whether you're flooding a stadium with light so fans don't miss a play or lighting a roadway for safety, Guardian glass lenses give you leading-edge performance and unmatched design flexibility. Transmit more light with less residual reflection. Soften the scenery with etched glass that diffuses light. Capture and focus light to spotlight the subject and virtually eliminate light pollution. Increase lighting efficiency up to 10%. Because lenses using Guardian glass technology heighten light transmission, you achieve the same lighting result with fewer fixtures, lower installation costs, less maintenance and reduced ongoing energy consumption.

### Commercial refrigeration products

The right glass door can entice customers to buy what's inside, lower the utility bill and resist the wear of daily use. Our ThermaGuard commercial refrigeration glass offers exceptional choice in advanced performance and price points. This product's low emissivity keeps refrigeration units cool and energy use efficient. That's good news for the environment and for retailers interested in reducing operating costs. ThermaGuard is ENERGY STAR, EPA 2005 and EISA 2007 compliant.

Call 855.270.4193 or visit [Guardian.com](http://Guardian.com) to learn more.



Nothing but light gets in

When security is at stake, Armour-G™ provides a robust, protective barrier. Products in this portfolio are highly resistant to gunfire, explosives and intentional impact, serving as critical protection in areas where serious threats are a real possibility.

Guardian's Armour-G laminated glass products can be customized to meet specific application needs. From water-jet cutting capabilities to high-tech coating technologies, Guardian will work with you to find a solution for your most challenging projects. For example, our DiamondGuard® coating, which resists scratching and is highly transparent, is currently used for a number of Armour-G laminated military applications.



**Armour-G Bullet** is our premium brand of bullet-resistant glass. It withstands close-range attacks from small handguns or large caliber weapons. Add it where you need the strength to stop a bullet: armored vehicles, bank teller windows, security windows and doors, government buildings and mass transit vehicles.

**Armour-G Blast** is designed to absorb the energy generated by a bomb blast and protect building occupants from glass shards typically created in high-explosive detonations. Armour-G Blast uses highly resistant interlayers and conforms to ASTM standards. Consider it a safe choice for federal buildings, embassies, courthouses and high-security commercial buildings.

**Armour-G Force** is designed to withstand prolonged, intentional impact or assault, keeping intruders out or criminals detained. Made by combining glass and polycarbonate, Armour-G Force withstands rigorous attacks from weapons including sledge hammers, pry bars, propane torches and chisels. Choose it for detention facilities, government buildings, banks, museums, hospitals and jewelry displays.

Call 800.822.5599 or visit [Guardian.com](http://Guardian.com) to learn more.

**COUNT ON QUALITY**

All Guardian manufacturing facilities adhere to strict quality controls and efficiency standards. Our laminating facilities use an autoclave process and Class 1000 clean rooms to produce Armour-G Security Glass.



Drive safe

Guardian protects passengers, resists wear and reduces the replacement cost of glass for a wide range of automotive and mass-transit solutions. Our work in this industry began in the 1930s, supplying glass to Detroit's young, hungry automotive market. More than 80 years out, we've taken transportation glass to new levels.

**Windshields:** Strong, secure Guardian windshields protect passengers while reducing solar load for a cooler cabin, better fuel economy and fewer vehicle emissions. They can sense and respond to weather conditions and add statement-making style.

**Side glass, backlites and liftgates:** Guardian has unbeatable experience in creating glass for windows for the side and rear of vehicles. We are a trusted partner, manufacturing these products and their components to exacting standards, with consistent quality and customer support.

**Sunroofs:** With Guardian glass in your sunroof, you'll see and feel the difference. From the quality solar-absorbing glass to the expert fit and finish, our sunroofs enhance the driving experience as well as the appearance of the vehicle.

Call 586.365.4900 or visit [Guardian.com](http://Guardian.com) to learn more.

**ADDED COMFORT**

Our SilverGuard Infrared Reflective Solar Control Glass looks like conventional clear glass but reflects most of the rays that escalate interior heat. PrivaGuard® and MidniteGray® reduce a vehicle's solar thermal load and add privacy, security and style.

**GREATER PROTECTION**

Laminated glass solutions bond two or more glass panes with a durable plastic interlayer. If broken, laminated glass protects those in the vehicle by typically staying in the frame. It also provides natural sound dampening and blocks 99.9% of UV rays. The Guardian Rain and Light Sensor activates and adjusts wipers and headlights, allowing the driver to keep eyes on the road.

**North American facilities**

|                             |   |              |
|-----------------------------|---|--------------|
| World Headquarters          | 2300 Harmon Road, Auburn Hills, MI 48326-1714 | 248.340.1800 |
| Science & Technology Center | 14511 Romine Road, Carleton, MI 48117         | 734.654.1111 |

**FLAT GLASS**

|                      |   |              |
|----------------------|---|--------------|
| Carleton, MI         | 14600 Romine Road, Carleton, MI 48117                         | 734.654.6264 |
| Corsicana, TX        | 3801 S. Highway 287, Corsicana, TX 75109                      | 903.872.4871 |
| DeWitt, IA           | 300 South 5th Avenue E., DeWitt, IA 52742                     | 563.659.4000 |
| Florence, PA         | 1000 Glasshouse Road, Jefferson Hills, PA 15025-2597          | 412.384.3400 |
| Galax, VA            | 110 Jack Guynn Drive, Galax, VA 24333                         | 276.236.5196 |
| Geneva, NY           | 50 Forge Avenue, Geneva, NY 14456                             | 315.787.7000 |
| Industries Cover, QC | 288 Laureir Street, 235 St. Appolinaire, Quebec G0S 2E0       | 418.881.2303 |
| Kingsburg, CA        | 11535 E. Mountainview, Kingsburg, CA 93631                    | 559.896.6400 |
| Queretaro, Mexico    | Km. 9.6 La Griega, El Marques, Qro. C.P. 76249                | 442.278.1700 |
| Reedley, CA          | 1485 East Curtis Avenue, Reedley, CA 93654                    | 559.638.3588 |
| Rexdale, ON          | 355 Attwell Drive, Rexdale, ON M9W 5C2                        | 416.674.6945 |
| Richburg, SC         | 610 L & C Railway Dist. Park, State Hwy 9, Richburg, SC 29729 | 803.789.6100 |
| Webster, MA          | 5 Cudworth Road, Webster, MA 01570                            | 508.943.6600 |

**AUTOMOTIVE GLASS**

|                                    |   |              |
|------------------------------------|---|--------------|
| Auburn, IN                         | 1900 S. Center Street, Auburn, IN 46706         | 260.925.5656 |
| Ligonier, IN                       | 860 West U.S. 6, Ligonier, IN 46767             | 260.894.7750 |
| Millbury, OH                       | 24145 W. Moline Martin Road, Millbury, OH 43447 | 419.855.7706 |
| Upper Sandusky, OH                 | 12688 State Route 67, Upper Sandusky, OH 43351  | 419.294.4921 |
| Sterling Heights, MI (Tech Center) | 35555 Mound Road, Sterling Heights, MI 48310    | 586.365.4900 |

**Here to help**

There’s a lot to know about glass—and Guardian. But above all, you should know that we’re here to help.

We’d love to learn about your project and collaborate on a solution. Our engineers, suppliers, sample systems and online tools stand ready to support you from concept to completion.

Visit [Guardian.com](http://Guardian.com) or email [Info@Guardian.com](mailto:Info@Guardian.com).

**WHAT DO YOU SEE?**

*Structures that redefine the skyline and great design. Walls and surfaces with brilliant form and function. Homes that help you care for loved ones. Alternative energy and stewardship. Advanced electronics, even smarter. Safety over the road and on the front lines.*

*In Guardian, you will find a partner devoted to your project and possibilities as endless as your vision.*



## GUARDIAN GLASS *for* NORTH AMERICA

### **SunGuard®**

*Advanced Architectural Glass*

866.482.7374

SunGuardGlass.com

### **EcoGuard®**

*Solar Energy Glass*

888.372.8605

Guardian.com

### **Transportation Glass**

*Automotive and Mass Transit*

586.365.4900

Guardian.com

### **InGlass™**

*Advanced Interior Glass*

855.584.5277

GuardianInGlass.com

### **Technical Glass**

*Electronics, Lighting and More*

855.270.4193

Guardian.com

### **ClimaGuard®**

*Residential Glass Innovation*

800.521.9476

ClimaGuardGlass.com

### **Armour-G®**

*Security Glass*

800.822.5599

Guardian.com



Headquartered in Auburn Hills, Michigan, Guardian Industries is a global leader in float glass, fabricated glass, fiberglass insulation and other building materials for commercial, residential, interior and automotive applications. To learn more, visit [Guardian.com](http://Guardian.com).

Armour-G, Build With Light, CrystalGray, DecoCristal, DiamondGuard, EcoGuard, InGlass, MidnightGray, Power Through Glass, SatinDeco, ShowerGuard, SunGuard, TwilightGreen, UltraClear, UltraMirror and UltraWhite are trademarks of Guardian Industries Corp.

ENERGY STAR is a registered trademark.

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