

**For Publication****Email**

1 June 2016

Mr George Katsoulis  
Anti-Dumping Commission  
Level 35  
55 Collins Street  
Melbourne VIC 3000  
**george.katsoulis@adcomission.gov.au**

Dear Mr Katsoulis

**Guardian Industries Corp Ltd (Guardian)**  
**Clear Float Glass exported from China, Indonesia and Thailand (Continuation Inquiry No. 335)**

We refer to the preliminary submissions made by Guardian, our client, in the above-captioned inquiry, in which it was submitted at sub-paragraph 4.3(b) that [REDACTED]. The purpose of this letter is to explain and substantiate that remark.

Our client's sales of [REDACTED]

[REDACTED] see Confidential Attachment A. [REDACTED]

Attachment B contains pages from our client's website providing further information on [REDACTED].

The prominence of [REDACTED] makes it even more unlikely, if not entirely remote, that it will dump goods and cause material injury.

Yours sincerely



**Zac Chami, partner**  
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zchami@claytonutz.com

Our ref 11276/80175855





## Textured Glass

### Standard Textures

**Textured Glass**, while providing the privacy of a screen, still retains all the elegance of the glass. The translucent nature of the glass still allows light to come through while keeping the harsh sun rays out. Providing entwined wire through the Patterned glass allows an array of patterns to choose between depending on individual choice.

**GulfGuard's Textured Glass**, manufacturing facility is unique in the Middle East by using a fore hearth technology. This provides **GulfGuard** with the flexibility to change textures and colors to meet the demands of the customers.

#### Textured glass is used in the following application

- Doors and Windows
- Partitions
- Shower Doors
- Decorations
- Fire Resistance glass

#### Different patterns produced by GulfGuard are

- Joharra
- Zahra
- Zumored
- Arabesque
- Spraylite

#### Thses are produced as wired and non-wired in 4 colors such as

- Bronze
- Grey Green
- Emerald Green
- Blue

#### Questions?

Call us at:  
**+966.13358.8888**

Email:  
[info@guardian.com](mailto:info@guardian.com)

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## UltraMirror

### Beautifully Reflective

UltraMirror is Guardian's most beautifully reflective and durable mirror, providing unparalleled protection against corrosion, chemicals, moisture and abrasion while adding beauty and elegance to any room.

#### Applications:

Decorative walls  
Wardrobe doors  
Display cases  
Mirrors  
Surfaces and tables

UltraMirror can be enhanced with DiamondGuard to deliver unparalleled durability in transport, fabrication, installation, and thereafter - protecting its performance for years to come. It is also produced with a copper-free manufacturing process, which may help achieve LEED certification and "green building" designation. Whether in the bathroom mirrors or furniture applications, only UltraMirror will deliver beautiful reflectance and uncompromising durability backed by the industry's best warranty.



Guardian UltraMirror gives true image reflection with virtually no distortion.

#### Product Website Links

[www.GuardianInGlass.com](http://www.GuardianInGlass.com)

#### UltraMirror Downloads



#### How do they do it?

Guardian Mirrors as seen on  
The Discover Channel

#### Questions?

Call to speak with a Guardian InGlass  
representative at:  
**855.58.GLASS (45277)**

## Concentrating Solar Solutions

POWER THROUGH GLASS™

**Boost your power.** Guardian EcoGuard concentrating solar mirrors offer best-in-class reflectivity and excellent durability to maximize collection of solar energy.

**EcoGuard Solar Boost CFM**

concentrating flat  
monolithic mirrors

**EcoGuard Solar Boost CFL**

concentrating flat  
laminated mirrors

**EcoGuard Solar Boost MP**

monolithic parabolic  
concentrating mirrors

**EcoGuard Solar Boost LP**

laminated parabolic  
concentrating mirrors

**EcoGuard Solar Boost HT**

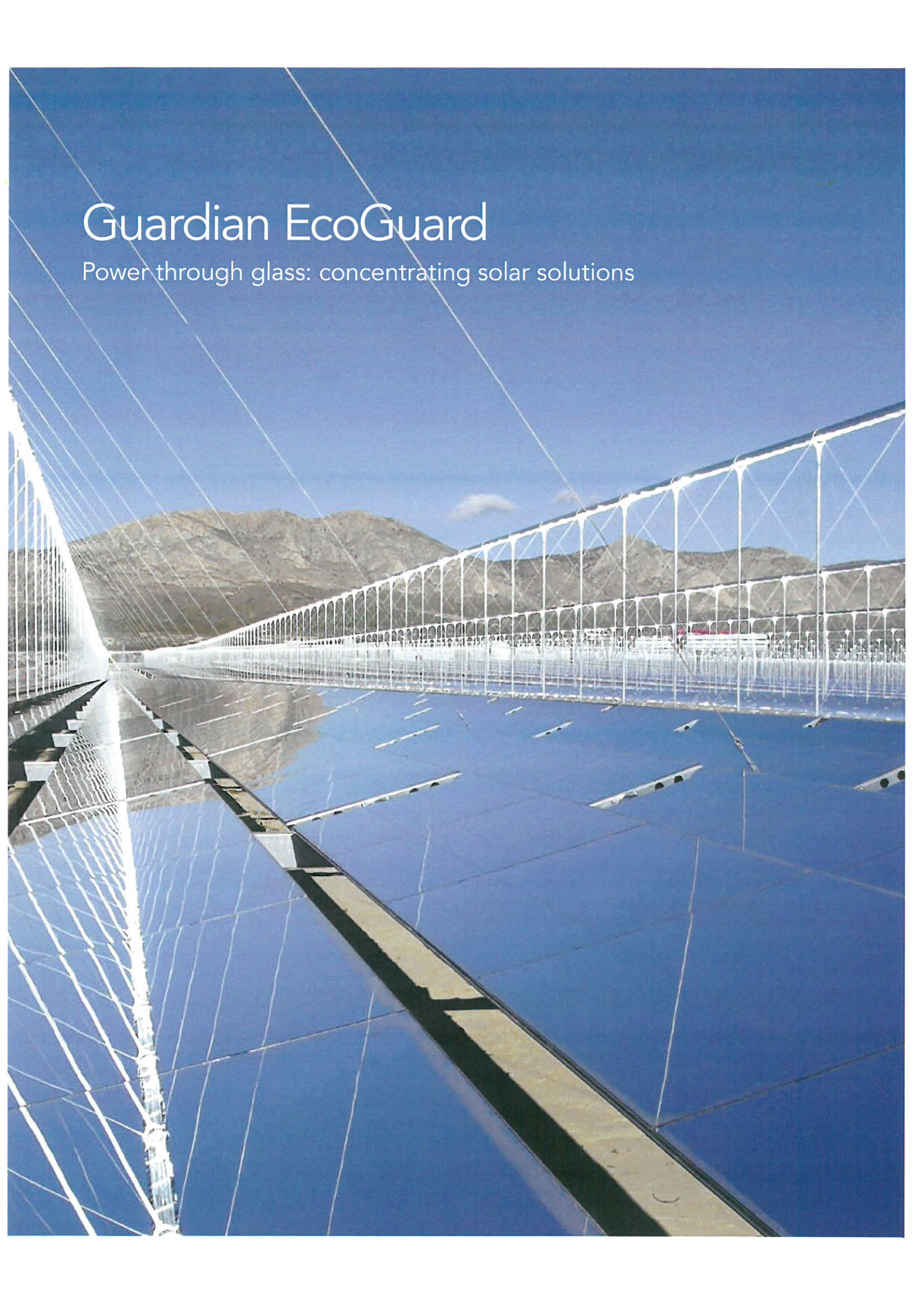
high-temperature  
concentrating mirrors

**EcoGuard Float AR**

anti-reflective solar glass

# Guardian EcoGuard

Power through glass: concentrating solar solutions



Guardian EcoGuard® concentrating solar solutions offer high-performance solar glass and concentrating mirrors with industry-leading reflectivity and outstanding durability for solar and thermal applications around the world. Our global asset base and integrated manufacturing processes deliver precision products designed to meet the challenges of the solar industry. With performance, durability and specularity that exceed glass alternates, EcoGuard concentrating solar solutions are at the ready to boost your solar energy collection.



**EcoGuard  
Solar Boost CFM**

concentrating flat  
monolithic mirrors

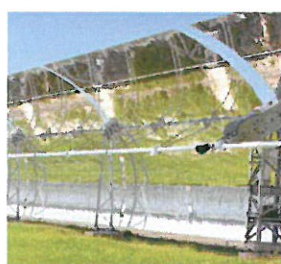
*Gemasolar  
Seville, Spain*



**EcoGuard  
Solar Boost CFL**

concentrating flat  
laminated mirrors

*Novatec Solar, Puerto Errado 1  
Murcia, Spain*



**EcoGuard  
Solar Boost MP**

monolithic parabolic  
concentrating mirrors

*Lebrija, Spain*



**EcoGuard  
Solar Boost LP**

laminated parabolic  
concentrating mirrors

*Palma del Río II  
Palma del Río, Spain*

## THE GUARDIAN ADVANTAGE

More than 80 years of experience with high-quality and performance glass

Financially strong, privately held global company

Outstanding manufacturing controls, dedicated expert staff, and state-of-the-art technology for measuring and monitoring quality and consistent performance

Precision manufacturing for tight control on cut-size and thickness tolerances

Fully integrated capabilities for edge work, custom cutting and grinding

The broad **EcoGuard energy glass portfolio** offers you a variety of options that can be closely matched to the unique requirements of your solar application. We'll help you choose a mixture of products and customize configurations to enhance performance and manage costs based on the specifics of your project.

**Guardian EcoGuard Float** is the basis for all our EcoGuard offerings. Designed to maximize transmission of solar energy, it is our highest-performing solar glass substrate. Available in a range of thicknesses and transmission levels, we'll help you control costs with the low-iron glass that best meets your needs.

**EcoGuard Float AR** is an anti-reflective solar glass designed to enhance concentrating photovoltaic systems by reducing reflection off of the photovoltaic receiver.

Our collection of **concentrating solar mirrors** offers flat and parabolic mirrors in traditional monolithic configurations, as well as laminated assemblies that increase reflectivity and durability—only available from Guardian.

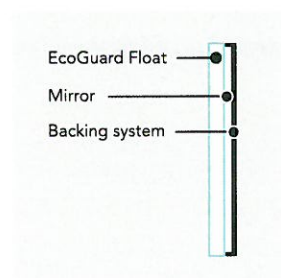
We also offer specialty products, such as **EcoGuard Solar Boost HT** for temperature resistance up to 400°C, and **custom shapes** available for unique project needs.

# Flat concentrating mirrors

## Designed for solar thermal applications

**Guardian EcoGuard Solar Boost flat concentrating mirrors** are used in central receiver, linear Fresnel, parabolic dish and concentrating photovoltaic applications all over the world.

With more than 80 years of Guardian innovation and experience in manufacturing high-quality glass and mirror, Solar Boost flat concentrating mirrors are ready to increase your solar thermal collection capacity.



### EcoGuard Solar Boost CFM Concentrating flat monolithic mirrors

#### Concentrated power, unparalleled performance.

Guardian EcoGuard Solar Boost CFM offers 93.5% to 95% reflectivity\* for maximum energy collection. A multi-layer backing paint system protects the mirror surface and ensures the durability that exceeds industry standards.

\* ISO 9050 AM 1.5, reflectivity dependent on thickness from 1 mm to 4 mm

### EcoGuard Solar Boost CFL Concentrating flat laminated mirrors

#### Unprecedented durability, only from Guardian.

Guardian EcoGuard Solar Boost CFL delivers powerful results, day after day, year after year. With all the benefits of our concentrating flat monolithic mirrors, proven lamination technology provides even greater performance and durability. By enclosing the mirror between a layer of EcoGuard Float and a backing layer of standard float glass, the laminated mirror assembly offers superior durability, and greater reflectivity can be achieved without sacrificing strength by selecting a thinner layer of front glass.

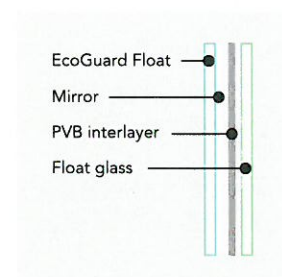
#### PROVEN LAMINATION TECHNOLOGY FOR GREATER DURABILITY

Superior corrosion resistance

Resistant to wind and impact damage

If broken, the laminated assembly remains intact in most cases and retains the majority of its function

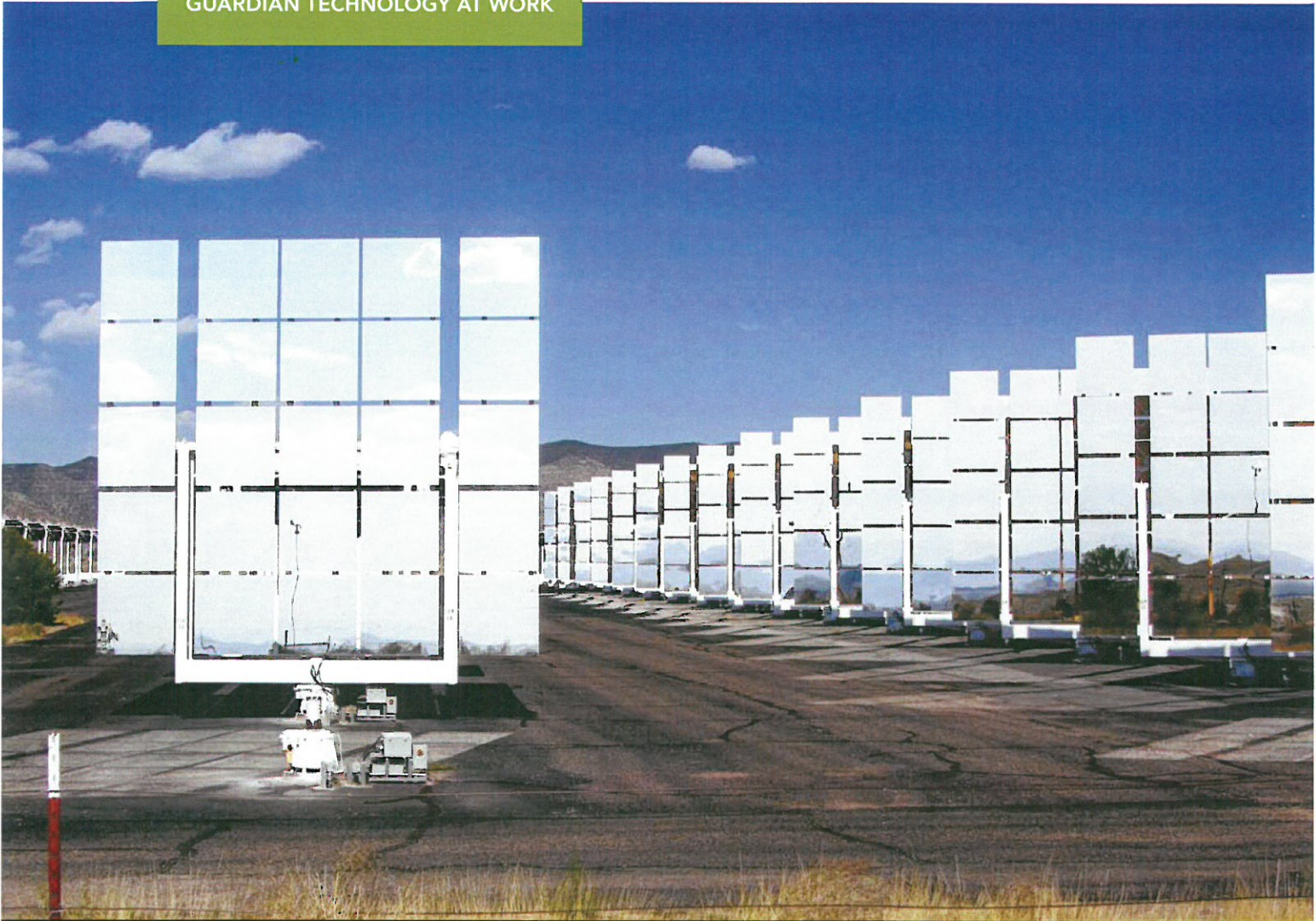
Natural dampening effect minimizes vibration in moderate winds, retaining precise focus



#### ONLY FROM GUARDIAN

*In addition to our years of experience in glass manufacture and fabrication, including lamination technology, Guardian Industries is the only manufacturer to offer laminated concentrating mirrors.*

## GUARDIAN TECHNOLOGY AT WORK



More than 30 years of proven performance at Sandia National Laboratories



Guardian mirrors installed in 1978

In 1978, Sandia National Laboratories installed Guardian concentrating solar mirrors in their testing facility in Albuquerque, New Mexico.

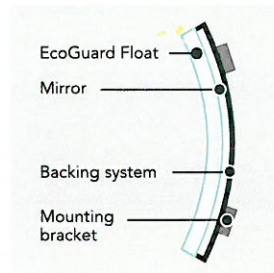
Those mirrors performed for more than 30 years, with little corrosion or damage. In 2011, Sandia upgraded to EcoGuard Solar Boost CFL, gaining greater reflectivity, and ultimately, increased outputs.

## Parabolic concentrating mirrors

**Created for CSP parabolic  
trough systems**

**Guardian EcoGuard parabolic concentrating mirrors** are used in solar fields all over the world to concentrate solar power for parabolic trough systems.

With proven performance, built upon more than 30 years of experience in solar energy innovation, Guardian EcoGuard is ready to help you maximize your power. EcoGuard parabolic concentrating mirrors are produced on dedicated equipment that is designed for RP-2, -3 and -4 mirroring and protective coating applications. Our fully integrated manufacturing process—from production of solar float glass to manufacture of the mirror system—takes place in a single location, delivering high quality and consistent performance.



### EcoGuard Solar Boost MP

#### Monolithic parabolic concentrating mirrors

##### Trusted technology, proven results.

With more than 94% reflectivity\*, EcoGuard Solar Boost MP concentrating mirrors provide the concentrating power you need to maximize your energy investment. A multi-layer backing paint system specifically designed for solar applications provides strength and durability, and a simple, proven, monolithic design minimizes upfront investment for solar projects.

\* ISO 9050 AM 1.5

### EcoGuard Solar Boost LP

#### Laminated parabolic concentrating mirrors

##### Precise clarity, extraordinary durability, only from Guardian.

Offering enhanced reflectivity of up to 95.5%\*, and improved durability, EcoGuard Solar Boost LP concentrating mirrors are concentrating solar energy in some of the most prominent solar projects in the world. A laminated mirror assembly encloses the mirror surface between a layer of EcoGuard Float and a backing layer of standard float glass. Held together with an interlayer, the entire mirrored surface is protected from the elements. Available for standard RP-2, -3 and -4 design configurations, EcoGuard Solar Boost LP concentrating mirrors are direct, bolt-in replacements for traditional monolithic designs.

\* ISO 9050 AM 1.5

##### SUPERIOR DURABILITY

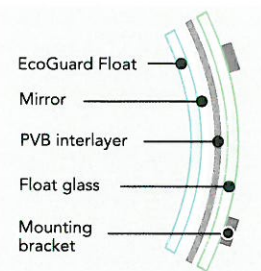
Superior corrosion resistance

Resistant to wind and impact damage

If broken, the laminated assembly remains intact in most cases and retains the majority of its function

Natural dampening effect minimizes vibration in moderate winds, retaining precise focus

Improves safety for operators and assembly crews





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THE GUARDIAN ECOGUARD  
CONCENTRATING SOLAR  
PORTFOLIO OFFERS A RANGE  
OF SOLUTIONS THAT CAN BE  
CUSTOMIZED TO YOUR SPECIFIC  
NEEDS. LET'S WORK TOGETHER.

**Guardian Industries Corp.**

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**Guardian EcoGuard energy glass solutions** are designed to maximize the performance of solar energy systems. With advanced coatings and best-in-class solar glass and mirrors, EcoGuard is used around the world to optimize solar technology. To learn more about this broad portfolio of solar glass products, or to identify options for tailoring a solution to specific needs, visit [Guardian.com/solarenergyglass](http://Guardian.com/solarenergyglass).

**EcoGuard Float** *low-iron float glass*

**EcoGuard Pattern** *low-iron pattern glass*

**EcoGuard Float AR** *anti-reflective solar glass*

**EcoGuard Pattern AR** *anti-reflective pattern glass*

**EcoGuard Mo** *molybdenum conductive glass*

**EcoGuard TCC** *transparent conductive glass*

**EcoGuard Barrier** *sodium migration control*

**EcoGuard Solar Boost CFL** *concentrating flat laminated mirrors*

**EcoGuard Solar Boost CFM** *concentrating flat monolithic mirrors*

**EcoGuard Solar Boost LP** *laminated parabolic concentrating mirrors*

**EcoGuard Solar Boost MP** *monolithic parabolic concentrating mirrors*

**EcoGuard Solar Boost HT** *high-temperature concentrating mirrors*

*The following photos are reproduced courtesy of Novatec Solar:*

*Front cover*

*Inside front cover*

*Page one (Solar Boost CFL)*



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).

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## Clarity™ Double Sided Anti-Reflective Glass

The most simple concept behind the use of glass, our ability to see through the substrate clearly, can often be a paradox. While the glass itself is clear, the world around provides obstacles to a perfect view in the way of glare and reflection. A display case positioned so that light reflects from its surface, a shop window on a sunny day; these distractions keep us from a clear view of the object behind the glass.

Guardian Clarity™ is the solution to unwanted glare and unobstructed views. Created using the most advanced magnetron sputtering glass coating technology, Clarity leads the way in applications where reflection and glare can spoil the benefit of clear sight and pristine views.

### APPLICATIONS

Guardian Clarity, an anti-reflective glass is the ideal product for any application where excessive glare of reflection creates an obstruction: whether it's a shop window which loses impact due to distracting reflections, a viewing platform which loses visual accuracy due to distracting glare, or a restaurant with a breathtaking view which becomes completely hidden as soon as the sun goes down, anti-reflective glass provides the perfect solution. Common applications range from museum vitrines, display cases, shop fronts, car showrooms, restaurants, control towers, sporting facilities, zoos & aquariums.

### THE CLEAR ADVANTAGE:

#### Excellent optical properties.

The residual reflection colour of Guardian Clarity is a soft neutral blue, in combination with Guardian UltraClear™ substrate it achieves maximum transparency and incredible aesthetic appeal

#### Temperable.

In applications which require safety glass, Clarity can be tempered or heat strengthened by a Guardian certified glass processor. For more details in the certification process please send an email to: [inglassoroshaza@guardian.com](mailto:inglassoroshaza@guardian.com)

#### Multiple sizes to maximize production capability

In addition to the standard stock sheet sizes, Clarity is also available in sizes of 3210x6000, a real advantage in large viewing areas

#### Double sided.

Clarity is offered on one or both surfaces of the glass substrate, making it highly flexible for any application or purpose

#### With TPF.

Temporary Protective Film is applied to ensure proper handling and protection of the coated surface during processing.

#### Technical and Specification Support.

Our GUARDIAN Sales and Technical Support Team is ready to help answer questions related to the technical aspects of the product and its functions, as well as to the processing of the glass.

#### Flexibility with other products.

Clarity is available on various substrate types like Guardian UltraClear low iron glass, Guardian LamiGlass®, and can be combined with several thermal or solar protective coatings.

### PLEASE NOTE

Guardian Clarity provides a residual reflection of less than 1% (exact number depends on glass configuration and/or thickness) and a viewing experience through the glass that is virtually distortion free. However, under specific natural and artificial lighting conditions and in some specific viewing angles, a slight reflection may be seen by the naked eye. It is recommended that a sample is viewed in the actual location to understand which of these factors may be present in your particular application.



Comparison of Clarity vs. Ordinary Glass

**GUARDIAN  
INGLASS**  
ADVANCED INTERIOR GLASS

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## DecoCristal®

### Bold colors for brilliant designs

Design with the consistent, bold color of beautifully lacquered glass. Guardian DecoCristal is painted on one side with an opacified organic paint that dries to a lacquered finish for a stunning result. Its bright, opaque, highly reflective color brings a statement to any space.

#### Add impact to interior projects large and small

DecoCristal is produced in high volume and cut to size during fabrication, making it ideal for projects of all sizes. Enhance your designs with saturated, rich color on decorative surfaces including doors, walls, partitions, entryways, shelves, furniture and more.

#### Introducing DecoCristal® SuperWhite



More bright and powerful than ever, DecoCristal SuperWhite offers the purest white possible.

[Product Details](#)

**GUARDIAN  
INGLASS**  
ADVANCED INTERIOR GLASS

[Visit the InGlass website](#)

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[Interactive Catalog](#)

#### How to get InGlass

InGlass products are available through an extensive network of glass professionals who can assist you with every phase of your project, from conception to fabrication to installation. Learn about our [Supply Network](#) or [contact a Guardian representative](#) to get started.

#### Questions?

For more information about InGlass products in Europe, call us at:  
 +352.28.11.11

Email:



## Mirror

### Experience beautiful, enduring, elegant reflections.

As the world's largest mirror producer, Guardian uses the latest technologies available to manufacture high-luster mirrors that have proven to be durable and long lasting. Value-conscious contractors and homeowners use our mirror products with confidence, knowing they have selected mirrors made to the highest standards.



#### Withstands wear for a long life

Time, daily wear and tear, and cleaning take a toll on ordinary mirrors. Guardian mirrors are up to the test, with unparalleled protection against corrosion, chemicals, moisture and abrasion. Additionally, Guardian mirrors are backed with a 10-year Limited Warranty—double the industry standard.

#### UltraMirror

Crystal-clear reflectance with eco-friendly copper-free composition

[Product Details](#)

**GUARDIAN  
INGLASS**  
ADVANCED INTERIOR GLASS

[Visit the InGlass website](#)

#### Related links

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#### How to get InGlass

InGlass products are available through an extensive network of glass professionals who can assist you with every phase of your project, from conception to fabrication to installation. Learn about our [Supply Network](#) or [contact a Guardian representative](#) to get started.

#### Questions?

For more information about InGlass products in Europe, call us at:  
+352.28.11.11

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## Window Solutions

Energy Efficiency »

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[ClimaGuard HiLightR »](#)  
[ClimaGuard 72/57 »](#)  
[ClimaGuard 70/36 »](#)  
[ClimaGuard 62/27 »](#)  
[ClimaGuard 55/27 »](#)  
[ClimaGuard 53/23 »](#)  
[ClimaGuard IS »](#)  
[Guardian Neutral 70 »](#)

Fade/UV Protection »

Sound Control »

Safety/Security »

Privacy »



[Home](#) » [Window Solutions](#) » [Energy Efficiency](#) » [ClimaGuard 70/36](#)



### Available Options

Heat-treated [?]  
 IS (Enhanced U-value) [?]  
 Sound Control [?]  
 Safety & Security [?]

### When the sun is shining, ClimaGuard 70/36 regulates heat inside.

ClimaGuard 70/36 is designed to keep interior temperatures comfortable when the sun is shining and solar heat gain is a concern. Homeowners can maximize daylight and enjoy the view, while keeping air conditioning costs to a minimum. In addition, ClimaGuard 70/36

- Helps meet Energy Star requirements in Zones N, NC and SC (if windows are NFRC-certified)
- Provides a uniform, neutral appearance that enhances the beauty of any home
- Decreases fading UV light transmission

### Maintain the view while reducing the heat.

In the past it was necessary to design around unwanted solar heat gain associated with east, south or west-facing windows. Common techniques included the use of dark window tints, after-market window films, exterior solar screens, room-darkening interior blinds, or even landscaping to block the sun (as well as the view). Unfortunately, often the simplest approach was to downsize or even eliminate windows completely.

With ClimaGuard 70/36, homeowners can maintain or even expand their "window on the world" without sacrificing interior comfort or spending a fortune on air conditioning.

### Keep homes comfortable in any climate.

Compared to similar competitive products, ClimaGuard 70/36 provides balanced performance with a very neutral appearance and low reflectance. As indicated in the chart below (U-Factor), ClimaGuard 70/36 also provides excellent insulating performance during the cold nights of winter, efficiently reflecting the heat of a home's furnace back into the house.

### [ClimaGuard 70/36 Flyer](#)

### ClimaGuard 70/36 Performance

ClimaGuard 70/36 is designed to have high visible light transmission, low solar heat gain and a low u-value for 4-season climates. As shown below, it can be used in multiple configurations to meet the needs of many applications.

Double Glazed	Visible Light			UV Trans	U-Factor			ENERGY STAR Zones*
	Trans	Reflect Out	Reflect In		SHGC	Argon	Air	
70/36 (#2)	70%	11%	13%	30%	0.362	0.247	0.294	N, NC, SC
70/36 (#2) + IS-30 (#4)	70%	10%	11%	25%	0.384	0.214	0.251	N, NC, SC
70/36 (#2) + IS-20 (#4)	68%	12%	13%	23%	0.373	0.205	0.239	N, NC, SC
<b>Triple Glazed</b>								
70/36 (#2) + 70/36 (#5)	55%	14%	14%	10%	0.329	0.169	0.217	N, NC, SC
70/36 (#2) + 80/70 (#5)	53%	14%	17%	15%	0.352	0.175	0.224	N, NC, SC

I/G U Construction:

Double glazed: 3.0mm Clr, 1/2" Gap, 3.0mm Clr, Air and 90% Argon/10% Air Filled Units

Triple glazed: 3.0mm Clr, 5/16" Gap, 3.0mm Clr, 5/16" Gap, 3.0mm Air and 90% Argon/10% Air Filled Units

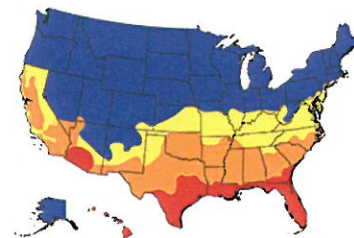
Performance data calculated using LBNL Window 6 IGDB v.4.5. All measurements taken from center-of-glass values.

\* In a broad selection of representative windows. Criteria is based upon total window performance of which glass performance is a contributor.

### Current ENERGY STAR Standards

#### Energy Star Qualification Criteria by Zone

Climate Zones	Version 5		Version 6	
	U-Factor	SHGC	U-Factor	SHGC
Effective January 2016				
Northern	≤ 0.30	Any	≤ 0.27	Any
	~ 0.31	≥ 0.35	~ 0.28	≥ 0.32
	~ 0.32	≥ 0.40	~ 0.29	≥ 0.37
			~ 0.30	≥ 0.42
Effective January 2015				
North-Central	≤ 0.32	≤ 0.40	≤ 0.30	≤ 0.40
South-Central	≤ 0.35	≤ 0.30	≤ 0.30	≤ 0.25
Southern	≤ 0.60	≤ 0.27	≤ 0.40	≤ 0.25



Guardian Residential Glass Innovation

Guardian ClimaGuard  
 Home  
 Learn About Window Glass  
 Window Solutions  
 Residential Products  
 Window Mfgs & Custom Fabs  
 Product Literature

Guardian Product Sites  
**SUNGUARD**  
 ADVANCED ARCHITECTURAL GLASS  
**INGLASS**  
 ADVANCED INTERIOR GLASS  
**SHOWERGUARD**  
 FOR BATHS, REAR PORCHES

Member Login  
 Guardian Select Fabricator  
 Glazier Connection  
 Select Commercial Window



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## High Durable

Light is beautiful. Excessive heat is not. SunGuard Solar Protection Glass offers five different product series — eXtra Selective, SuperNeutral, High Performance, Solar & High Durable — to create striking statements of light and color while earning LEED points and controlling energy costs.)

[eXtra Selective](#)[SuperNeutral](#)[High Performance](#)[Solar](#)[High Durable](#)

### High Durable

Advancing durability, solar protection goes tough

**HD Silver 70**  
ExtraClear**HD Diamond 66**  
ExtraClear**HD Neutral 67**  
ExtraClear**HD Light Blue**  
**52**  
ExtraClear**HD Silver Grey**  
**32**  
ExtraClear**HD Royal Blue**  
**20**  
ExtraClear**HD Silver 20**  
ExtraClear

Call Us Today: +352 28 111 1

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G.D. of Luxembourg  
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## Solar


SunGuard Solar Series products offer a choice of colours situated to contemporary design, combined with variations of light and solar control performance. The Solar Series products may be processed as either annealed or heat treated readily from stock. Additionally the Solar Series products can now be used monolithically when the coating is on the inside of the window or spandrel panel.

[Email Results](#)   [Print Results](#)




SunGuard Solar Green 20 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 15%   Light Refl'on 23%  
Solar Factor 17%   U-Value 2.3

☐ Compare | [Order Sample](#) | [Project Database](#)



SunGuard Solar Green 52 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 38%   Light Refl'on 15%  
Solar Factor 32%   U-Value 2.8

☐ Compare | [Order Sample](#) | [Project Database](#)




SunGuard Solar Aquamarine 20 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 17%   Light Refl'on 16%  
Solar Factor 19%   U-Value 2.5

☐ Compare | [Order Sample](#) | [Project Database](#)




SunGuard Solar Green 32 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 25%   Light Refl'on 17%  
Solar Factor 24%   U-Value 2.7

☐ Compare | [Order Sample](#) | [Project Database](#)




SunGuard Solar Silver 20 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 19%   Light Refl'on 32%  
Solar Factor 21%   U-Value 2.3

☐ Compare | [Order Sample](#) | [Project Database](#)




SunGuard Solar Green 34 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 28%   Light Refl'on 18%  
Solar Factor 24%   U-Value 2.5

☐ Compare | [Order Sample](#) | [Project Database](#)



SunGuard Solar Silver Grey 32 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 30%   Light Refl'on 23%  
Solar Factor 34%   U-Value 2.7

☐ Compare | [Order Sample](#) | [Project Database](#)



SunGuard Solar Solar Light Blue 52 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 46%   Light Refl'on 19%  
Solar Factor 47%   U-Value 2.8

☐ Compare | [Order Sample](#) | [Project Database](#)

☒ SunGuard Solar Green 20 (#2)  
Light Trans'on 15%   Light Refl'on 23%  
Solar Factor 17%   U-Value 2.3

☐ Compare | [Order Sample](#) | [Project Database](#)

☒ SunGuard Solar Aquamarine 20 (#2)  
Light Trans'on 17%   Light Refl'on 16%  
Solar Factor 18%   U-Value 2.5

☐ Compare | [Order Sample](#) | [Project Database](#)

☒ SunGuard Solar Silver 20 (#2)  
Light Trans'on 19%   Light Refl'on 32%  
Solar Factor 21%   U-Value 2.3

☐ Compare | [Order Sample](#) | [Project Database](#)

☒ SunGuard Solar Green 34 (#2)  
Light Trans'on 28%   Light Refl'on 18%  
Solar Factor 24%   U-Value 2.5


☐ Compare | [Order Sample](#) | [Project Database](#)

☒ SunGuard Solar Green 32 (#2)  
Light Trans'on 25%   Light Refl'on 17%  
Solar Factor 24%   U-Value 2.7

☐ Compare | [Order Sample](#) | [Project Database](#)


☒ SunGuard Solar Royal Blue 20 (#2)  
Light Trans'on 21%   Light Refl'on 21%  
Solar Factor 24%   U-Value 2.5

☐ Compare | [Order Sample](#) | [Project Database](#)



SunGuard Solar Royal Blue 20 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 21%   Light Refl'on 21%  
Solar Factor 24%   U-Value 2.5

☐ Compare | [Order Sample](#) | [Project Database](#)



SunGuard Solar Neutral 34 (#2)  
ClimaGuard Neutral 70 (#3)  
Light Trans'on 34%   Light Refl'on 24%  
Solar Factor 31%   U-Value 2.5

☐ Compare | [Order Sample](#) | [Project Database](#)

☒ SunGuard Solar Green 52 (#2)  
Light Trans'on 38%   Light Refl'on 15%  
Solar Factor 32%   U-Value 2.8

☒ SunGuard Solar Neutral 34 (#2)  
Light Trans'on 34%   Light Refl'on 24%  
Solar Factor 31%   U-Value 2.5



## SatinDeco

### Beauty. Light. Privacy.

SatinDeco™ is Guardian's unique acid-etch glass, delivering a striking and distinctive blend of elegance, light, and privacy in one extraordinary glass solution. Manufactured using a proprietary acid-etching process, SatinDeco has an exquisitely smooth finish that disperses light and seems to glow from within.

Once installed, SatinDeco does not require any special care. Its extra-smooth finish is extremely resistant to finger prints and remarkably easy to maintain. And as time passes, you can be sure that SatinDeco will retain its elegance.

#### SatinDeco Product Combinations

Most InGlass products are available with SatinDeco acid-etched finish, meaning you can bring the elegant translucence of SatinDeco to any design application. Add color with DecoCristal back-painted glass or color laminate options. Or bring performance to your acid-etched glass choice with the scratch resistance of DiamondGuard or the shower protection of ShowerGuard.

#### Count on SatinDeco to create:

- Doors
- Walls and wall coverings
- Railings
- Bath/shower enclosures
- Retail displays and fixtures
- Elevators and escalators
- Mirrors
- Furniture and case goods
- Floors and stairing
- Surfaces and tables

The satin-smooth, translucent finish of SatinDeco obscures the view through the glass while maintaining a high level of light transmittance.

Visit [GuardianInGlass.com](http://GuardianInGlass.com) for a complete list of product combinations.



Experience the design flexibility that is Guardian SatinDeco

#### Product Website Links

[www.GuardianInGlass.com](http://www.GuardianInGlass.com)

#### SatinDeco Downloads

[SatinDeco Brochure](#)

#### Questions?

Call to speak with a Guardian InGlass representative at:  
**855.58.GLASS (45277)**