

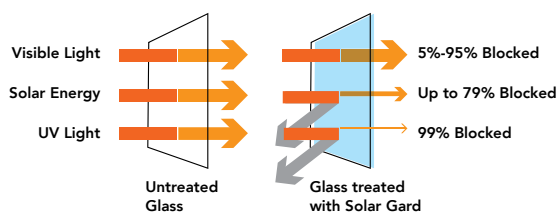
A better environment inside and out.®

Commercial Window Films for Solar, Safety and Energy Saving Solutions



A large glass window in a modern building reflects a snowy mountain landscape. The reflection is tinted with a warm orange-brown color, while the actual view through the window is in natural colors. A family of four (a man, a woman, and two children) are seen from behind, looking out at the view. The woman on the left is pointing towards the reflection. The text "Combat solar heat gain and keep your business comfortable and manageable." is overlaid on the orange-tinted reflection area.

Combat solar heat gain
and keep your business
comfortable and manageable.



Solar Gard blocks harmful rays while letting visible light through.

Practically invisible when installed onto glass, Solar Gard window films reject high levels of solar heat – offering you strong protection against bothersome glare, uncomfortable hotspots, and uneven temperature fluctuations. You'll feel an immediate difference upon installation. Solar Gard window films allow you to work with your blinds wide open, without the excessive solar heat you'd expect.

Solar Gard Solar Protection

Nothing adds more ambience and energy to a workspace than natural light, but it's also possible to have too much of a good thing. With natural sunlight comes unwanted heat and hotspots, which can affect everyone's comfort. Solar Gard window films reject up to 79% of solar energy – providing your employees and customers with a more temperature-stable and comfortable environment. By reducing annoying glare, Solar Gard window films improve visibility of computer screens and monitors and minimize eye strain.



"Solar Gard window film has made all the difference. Previously, the light was so bright that the staff were coming to work in their sunglasses – and the intense heat certainly didn't encourage customers to linger. About 75% of the glare is now gone, so the computer screens are much more visible and the temperature and levels of light are perfectly pleasant. We couldn't have picked a better solution than Solar Gard."

David Cavanaugh
General Manager, Benfield Ford
Leeds, England



Increase your energy efficiency,
improve your environment and
lower cooling costs.

Reduce energy use and costs.

Here's how Solar Gard window film can help save energy in a Los Angeles building, built in the 1970's, with 500,000 sq. ft. of office space on 20 floors, and equipped with 30,000 sq. ft. of single pane glass windows.

Information is based on an estimate generated by Demand Analyzer, which utilizes the U.S. Department of Energy's DOE-2 energy analysis software. Calculations shown are for illustration purposes only. Projected results vary depending on climate, geography, home construction, thermostat setting, and type of window film installed.

Projected reduction in energy use (kWh)	397,656
Average cost per kWh	\$.125
Projected reduction in annual energy spending	\$ 49,707

Solar Gard Energy Efficiency

These days, the need to conserve energy, reduce your company's carbon footprint and conform to stricter environmental standards has never been greater. At the same time, the cost of energy continues to rise – affecting your company's bottom line. With proven heat-rejection properties, Solar Gard films help your business consume less energy by keeping interior temperatures more controllable and stable. This reduces the need for air conditioning, moderating extreme peaks in usage to allow your cooling system to operate more efficiently and inexpensively.



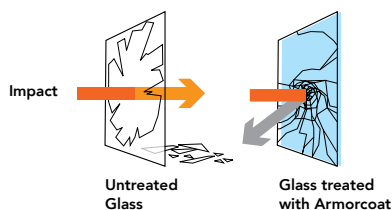
Solar Gard provides a cool facade for ASEM Tower

The ASEM Tower in Seoul, South Korea is one of the most coveted commercial addresses in the country. The breathtaking structure stands at an impressive 42-stories high and boasts 1,450,000 square feet (135,000 square meters) of office space. Since the facade is comprised mainly of glass and its broadest faces stand in the direct path of the sun, office workers suffered through intense heat and distracting glare.

To solve the problem, building management retrofitted the two largest faces of the building with 80,000 square feet (7,400 square meters) of Solar Gard Silver 20. The results were ideal. Room temperatures decreased by 7° to 11° F (4° to 6° C), utility costs went down, and tenants were able to work more comfortably.

A photograph of two children, a boy and a girl, sitting at a desk in a classroom, viewed from behind. They are using desktop computers. The boy on the left is wearing a red shirt, and the girl on the right is wearing a light blue shirt. They are positioned in front of a large window with dark wood frames. The window looks out onto a dense forest of green trees. A semi-transparent red rectangular box is overlaid on the middle of the image, containing white text. The overall scene is brightly lit by natural light from the window.

Protect your assets and improve
overall building safety.



Solar Gard Armorcoat safety films help keep shattered glass intact and protect building occupants.

Anything from a stray golf ball to severe weather can send dangerous shards of glass flying, subjecting people and property to serious damage, injury or worse. Armorcoat safety films help keep dangerous shards together on impact, whether due to accidents, acts of nature, attempted break-ins, vandalism or bomb blasts.



Solar Gard Safety and Security

From severe weather and terrorism, to burglary and vandalism, threats to human safety and property these days are on the rise. Which is exactly why the extra layer of protection that Solar Gard Armorcoat® safety and security window films provide, is such a valuable addition to your building. Specially designed to absorb shock and hold shattered glass in place, Armorcoat not only helps protect people from flying shards, but also provides a barrier against break-ins, bomb blasts, looting and interior damage. To provide inexpensive protection against everything from glass etching to spray paint, Solar Gard GraffitiGard® is specially designed to be applied in removable layers or to be easily stripped and reapplied when tagged.



Armorcoat makes the government a safer place to work

The U.S. government has always implemented the most stringent and fail-safe security and safety measures in its facilities. But after the shocking events of September 11, it was clear that additional protection was immediately needed on many government facilities, especially the most high profile and potentially targeted buildings located in the U.S. capital.

Armorcoat was installed on numerous prestigious government facilities, such as the Department of Energy, J. Edgar Hoover FBI Building, Hubert Humphrey Building, the National Imagery & Mapping Agency, and the U.S. Capitol to name a few. Working from the moment offices closed until government employees returned in the mornings, installation on 15 government buildings was completed in a record 33 working days.

A woman with short dark hair, wearing a striped jacket over a black turtleneck and blue jeans, is leaning over a mannequin. The mannequin is wearing a dark green sleeveless top and wide-leg brown trousers. The scene is set in a clothing store with other mannequins and jewelry displays visible in the background. A semi-transparent dark blue box with white text is overlaid on the left side of the image.

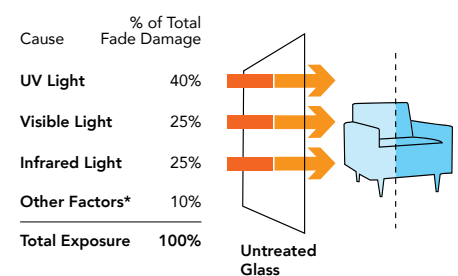
Keep your interiors from
fading and protect people
from ultraviolet light.



Solar Gard UV Protection

Even indoors, exposure to excessive Ultraviolet light and heat can cost you more than you probably realize. UV light and solar heat coming through any window can cause fading and irreparable damage to everything from your merchandise, furnishings and precious artifacts, to your very own skin. Solar Gard films reject solar heat and block over 99% of harmful UV light – protecting your valuable assets and interior furnishings from expensive sun damage.

What causes fading?



The sun's ultraviolet radiation, heat and light cause fading and deterioration of fabrics, carpets, furnishings, storefront displays and other interior items. All Solar Gard films reject up to 99% of harmful ultraviolet radiation, and varying amounts of heat and light. This helps dramatically reduce damage to your interiors and furnishings, keeping them in like-new condition longer.

*"Other Factors" include humidity, air quality, temperature and material construction.



Determining Which Film is Right for You

Prioritize your goals to determine your film needs

Heat and Comfort

Whether it's a corner office or tables by an expansive window, keep every area of your building a consistent, comfortable temperature.

Energy Consumption

Solar Gard window film is an easy, cost-effective retrofit to boost overall energy-efficiency.

Safety and Security

Gain protection against break-ins, vandalism and theft without blocking views or changing your building's external appearance.

Glare

Enjoy your views without having to use blinds to block excessive glare.

Fade Control

All Solar Gard window films block 99% of UV light, the primary cause of fading.

Appearance

Choose from a wide array of tints and colors, from optically clear to fully reflective, that allow you to change the appearance of your building as much or as little as you like.

Privacy

Protect your occupants from onlookers and passers-by with a reflective film that blocks views into your building.

Let us match your goals to the extensive product line from Solar Gard

Panorama® Sterling Window Films

Comprised of films that provide extraordinary solar energy rejection performance along with higher visible light transmission.

Panorama® Hilite® Window Films

Protection from solar heat, lowers cooling costs, blocks 99% of UV rays protecting you and your belongings from harmful sun exposure.

Panorama® Slate Window Films

Exceptional solar rejection performance while maintaining views with reduced interior and exterior reflectance.

Stainless Steel Window Films

Provide extraordinary solar control with a subtle grey finish from the outside.

Quantum® Window Films

Patented metallized films that provide superior heat protection.

Solar Bronze Window Films

Feature a subtle exterior copper finish that naturally complements most building designs and landscapes.

Aluminum Window Films

Constructed of metals such as gold, silver and bronze for optimum privacy with dramatically-reduced heat gain.

Low Emissivity Summer/Winter Window Film

Protects from solar heat in the summer and also keeps interior heat inside during the winter.

Decorative Window Films

Designed for privacy, with clear frost, black opaque and white opaque options.

Graffittigard®

A clear protective barrier, designed to be easily replaced, that protects painted and glass surfaces from permanent damage caused by vandals.

Armorcoat®

Safety and security film designed to reinforce glass and keep shards in place in the event of breakage.

Feel confident in your purchase with professional installation and warranty coverage

Solar Gard offers strong warranty coverage for its line of Solar Gard window films. Commercial installations are protected for up to 12 years. Ask your professional installer for details.

For over 30 years, Solar Gard has been one of the most trusted and popular window film lines in the world. Sold through company-owned distribution centers and independent dealers and distributors, Solar Gard window films are installed on thousands of buildings and millions of vehicles worldwide.



Protect. Save. Renew.

Smart solutions that positively impact lives.

About Solar Gard®

Solar Gard positively impacts lives with products that protect, save and renew. Headquartered in San Diego, California, Solar Gard makes industry leading architectural and automotive window films, photovoltaics and custom coatings. A division of Saint-Gobain Performance Plastics, a subsidiary of Saint-Gobain, the world leader in the habitat and construction markets, Solar Gard's architectural solar control window films are proven carbon negative and reduce global greenhouse gas emissions. Solar Gard products are sold in more than 90 countries under the Solar Gard®, Quantum® and Solar Gard Armorcoat® brands. For more information, visit www.solargard.com.

www.solargard.com/us

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