

IRWINTM
Solar Screen



It costs more to cool a house than to heat it!

Electricity consumed to run air conditioners to cool your house is significantly more expensive to operate than gas furnaces used to heat your home. That is because gas is less expensive to use than electricity! Do the math and you'll want to do something to lower those summer electric bills.

Today's homes are designed with more and more window space. However, windows facing the direct sun act as a greenhouse, quickly raising the interior temperature requiring more intense use of expensive air conditioning. As hot summers seem to be on the rise and Global Warming has an increasing effect, you need to minimize Solar Heat Gain.



Interior Window Shades 101

- Florida Solar Energy Center (FSEC) scientists and engineers have found that it makes more sense to put your dollars into blocking solar heat gain, rather than purchasing insulated conventional windows.
- By blocking 90% of solar gain, the Slide 'N' Hide Solar helps keep the inside of your house cool and comfortable, so you use the air conditioning less. When the Slide 'N' Hide Solar is combined with our high performance insulated glass there is simply no better solution for cutting heat gain for the summer months.

Interior Window Shades 101

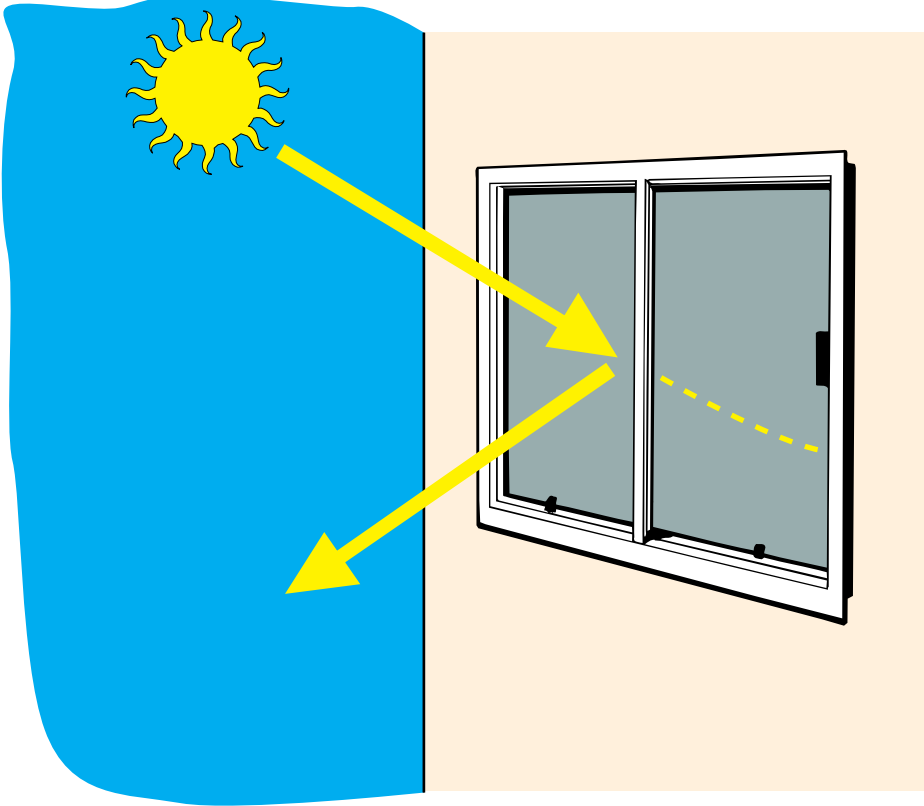
- In general, it is most efficient to block the sun solar gain before it penetrates into the home.
- Solar Screens absorb some of the sun and reflect a large portion away from the window.
- Heat absorbed by the interior shade is largely carried away from the window by radiation and airborne convection currents.

What is a Solar Screen?



- A polymer coated durable mesh screen fabric suitable for interior window shading applications.
- The Slide 'N' Hide is easy to assemble into a shading system that provides excellent protection from the sun while maintaining 'see through' properties.

Solar Screen Advantage

- 
- Reflects infrared radiation from the sun.
 - Transmits visible radiation from the sun providing daylight illumination.
 - Allows full visibility to the outside.
 - Provides ventilation with open window.

Solar Screen Sun Ray Blocking Availability



Up to 90% of harmful sun rays are blocked
by the Slide 'N' Hide Solar Screen

Fresh Air with a Solar Screen



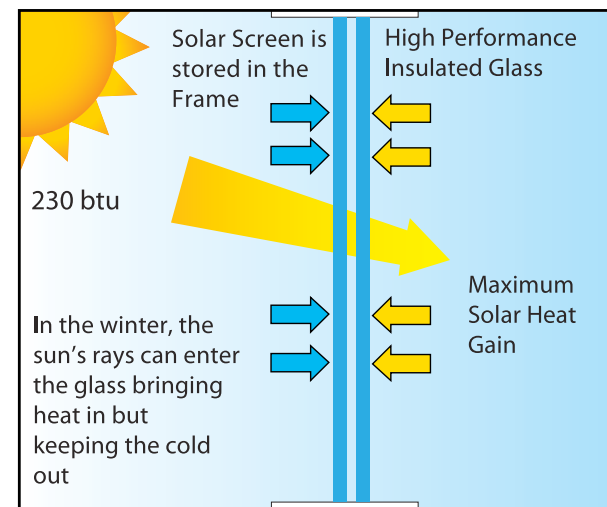
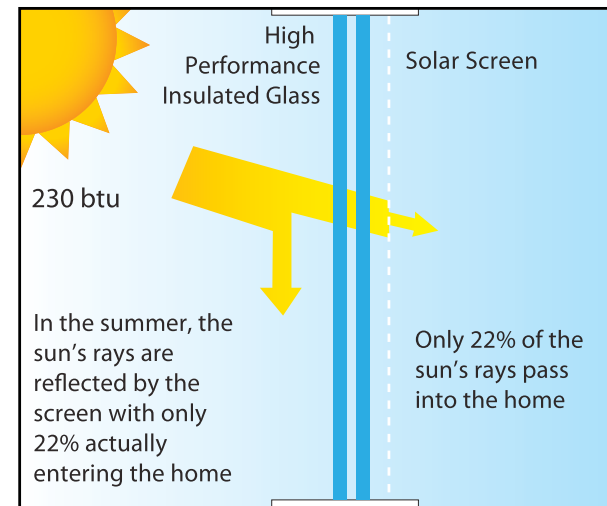
When you open the window for fresh air, the only way to protect from solar gain is with a solar screen

In the Summer

At a latitude of 40° N in the mid-summer, as much as 230 BTU's per hour can fall on each square foot of window glass. Latitudes closer to the equator can have BTU's as high as 600. With **IRWIN** Solar & Insect Screens and high performance glass, 78% of this heat is effectively dissipated with only 22% actually passing into the home.

In the Winter

In the winter the screen is conveniently stored away in the window frame allowing the sunlight to enter through the window. The screen never requires external removal. A desirable effect of Solar Heat Gain is achieved with the use of High Performance Insulated Glass allowing the heat in but keeping the cold out.



Direct Sunlight creates hot spots and UV damage to draperies and furniture

Often one side of a home in particular suffers from exposure to the sun's heat and ultra violet rays. This is known as a Hot Spot. Temperatures in these areas are much higher than in other parts of the home and make the room uncomfortable. The UV in direct sunlight causes colors in drapery, furniture and even some types of flooring to fade.



How To Get The Best Performance



Most windows are not equipped to deal with the problem of Heat Gain for the summer and the desired heat gain for winter. However, by combining **IRWIN** Solar with **IRWIN** Windows, fitted with high performance insulated glass, you can achieve the best performance for any time of the year.



During the Winter... Retract the Screen



During the winter months **IRWIN** Solar screen can be conveniently rolled away and stored in the window frame. The hidden screen allow for maximize Solar Heat Gain when it is cold outside.

During the Summer.. Pull out the Screen



During hot summer days, the unique **IRWIN** Series fitted with Solar screen can minimize Solar Heat Gain by dissipating up to 78 percent of the sun's heat and glare. This revolutionary screen acts as a shield against direct sun rays when the screen is pulled out across the window.

What makes Slide 'N' Hide Solar Screen Unique?

FEATURES	BENEFITS
Lower energy bills	Shading lowers the amount of energy needed to keep your home/office comfortable
Available in multiple shading levels	Improves daytime privacy Reduces glare Excellent outward visibility Keeps insects out Eliminates UV damage to draperies and furnitures
Dimensionally stable	Unaffected by 2400 PSI power washing Screen will not pucker with changes in temperature Fabric resistant to curling
UV stable	Mesh will not fray or tear over time
Resistant to abrasion	Mesh will not fray or tear over time
Mildew Resistance	Exposure to wet climates will not promote mildew or rot

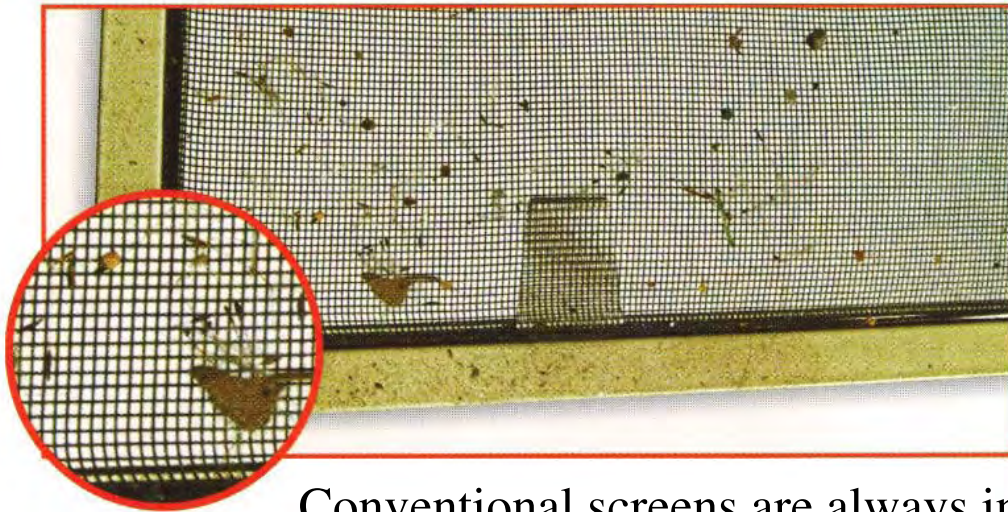
The Benefits of Natural Light

Sunlight makes us feel good. It is beautiful and more comforting than electrical lighting. In addition, studies have shown that natural light is important for our health by helping to set our body's internal rhythms and regulate the production of certain hormones. Some doctors attribute conditions like Seasonal Affective Disorder (SAD) to a lack of full-spectrum natural light. Other studies have shown that employees working in office buildings that afford natural light tend to be more productive on the job and take fewer sick days.

The Slide 'N' Hide Solar lets you enjoy these health and emotional benefits of natural light in your home, while also providing excellent ventilation.



Dirty Screens are Bad for Your Health!



Conventional screens are always in place and constantly gather dust and plant generated pollen and spores that aggravate allergies. Whenever the window is opened the collected grime on the screen is deposited into your home!

Solar Screens are available in Picture, Casement, Double Hung and Slider



Casement



Double Hung



Slider

Conventional screens are always in place

THE SOLUTION

Equip your home with

IRWIN Windows fitted with
IRWIN Solar Screens

Like Magic, your screens disappear
when not in use due to the amazing built-
in retractable high-tech screen system.

No more screens...

- Blocking your view
- Making it difficult to clean the window
- Gathering dust and plant generated pollen and spores



IRWIN
WINDOWS & DOORS™
An Exclusive Window World Brand

IRWIN

Brand PVC Coated Polyester Fabric
Extended Limited Warranty

What Is Covered?

This warranty covers the fabric becoming non-functional because of loss of dimensional stability from exposure conditions including mildew, rot, sunlight and normal atmospheric conditions. Abnormal or excessive discoloration and fading is covered. This warranty does not cover discoloration from atmospheric pollution or other debris.

How Long Is The Coverage Period?

The warranty coverage runs for 5 years from the date of original installation.

What Will Irwin Windows Do?

Irwin Windows will provide new fabric, free, to replace the non-functioning fabric. This warranty does not cover the cost of labor or other consequential or incidental expenses.

How Can You Get Service?

Window World, Inc. will secure the new material . This warranty is valid only if a sample of the fabric, with defects, is submitted with a photograph of the installation.

THIS IS THE COMPLETE AND ONLY WARRANTY PROVIDED FOR IRWIN WINDOWS. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, FOR THIS PRODUCT.



For Inquiries and Free Estimate, call:

1-800-400-1600

www.WindowWorldUSA.com

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