

A better environment inside and out.®

Solar Gard® Sentinel™ Plus

Outside Weatherable Film
External Americas Launch Kit
June 2013



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Introduction

Reintroducing **Sentinel™ Plus** - the next generation in Outside Weatherable (OSW) films from Solar Gard.

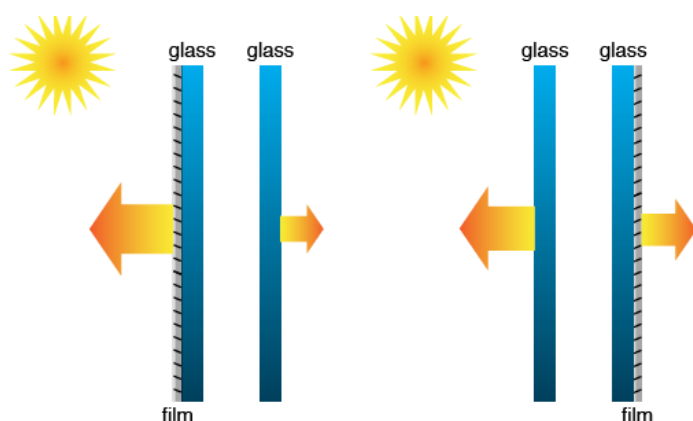
This exciting new range of OSW films has been specially formulated to incorporate the quality of the current line with innovative new technology to increase weatherability and longevity of the product.

The new film now offers an extended warranty term of up to 7 years vertical and 5 years sloped (previously 5 and 3 years - see more details in the Warranty section) and is available in Silver, Stainless Steel and 4 mil Clear.

Product Positioning

Sentinel™ Plus OSW films are an ideal solution for the following customer needs:

- Glazing with Low-e coatings, especially when the Low-e coating is on surface number 3 in a dual pane application
- Structures with double-glazing and/or absorbing glass (double-pane, laminated, tinted, etc.) where traditional film applications present significant risk for glass stress and breakage and cannot be safely applied
- Structures where indoor accessibility is limited or unavailable. External applications do not require disturbance of occupants



When traditional indoor window film is installed on the inside of an insulated glass unit (IGU), it can cause the inner pane of glass to heat more than the outer pane. This variance in temperature creates stress on the glass and can cause the glass to break. By applying the window film to the outer pane of an IGU, the heating effect is transferred to the external pane. The external pane naturally releases more of the absorbed energy back outdoors into the air, reducing stress on the glass.

Product Performance

Sentinel™ Plus OSW films offer excellent solar performance with high heat rejection and outstanding glare reduction. Sentinel™ Plus OSW has the same solar performance as Sentinel™.

Features and Benefits

Solar Performance/Improved Comfort

- Rejects up to 83% of total solar energy (up to 87% on double glazing systems), resulting in improved indoor climate control and total comfort
- Lowers energy consumption and expense by reducing the need for air conditioning
- Reduces 'hot spots' in buildings, globally (all climate zones)
- Significantly reduces glare

Improved Warranty

- Warranty up to 7 years for vertical installations and 5 years for sloped or horizontal installations (less than 90 degrees) - please see the Warranty Information for Different Sub Regions section on page 8
- Reduced risk of glass breakage or seal failure for low-e windows
- Durable, easy-to-clean and long-lasting hard coat

UV Protection

- Protects expensive artwork, precious artifacts, expensive antiques, carpets and furniture from damaging UV rays
- Protects against premature ageing and skin cancer

General

- Complies with most building styles and preferences
- Durable and scratch-resistant
- Protects glazing from dirt, grime, and other air pollutants
- Exterior film aesthetics are significantly better than similar competitive offerings

Ordering Information

Solar Gard® Sentinel™ Plus is offered as the following description and SKUs, located in the table below.

Description	SKU
SENTINEL PLUS 4MIL CLEAR OSW	SF55006135-72100
	SF55006135-60100
	SF55006135-48100
	SF55006135-36100
SENTINEL PLUS SILVER 20 OSW	SF55004140-72100
	SF55004140-60100
	SF55004140-48100
	SF55004140-36100
SENTINEL PLUS SILVER 35 OSW	SF55004130-72100
	SF55004130-60100
	SF55004130-36100
	SF55004130-48100
SENTINEL PLUS STAINLESS STEEL 15 OSW	SF55002900-72100
	SF55002900-60100
SENTINEL PLUS STAINLESS STEEL 25 OSW	SF55002910-72100
	SF55002910-60100
SENTINEL PLUS STAINLESS STEEL 40 OSW	SF55002920-72100
	SF55002920-60100
SENTINEL PLUS STAINLESS STEEL 45 OSW	SF55002920-72100
	SF55002920-60100

Warranty

The warranty for Solar Gard Sentinel™ Plus has been extended to 7 years vertical and to 5 years horizontal or sloped.

Only approved building sealants can be applied with this film; substitutions will void the warranty. An approved list of sealants for this film is included in the Technical Bulletin, OSW Installation (attached). For availability of edge sealants, please contact your local sales representative. Also, the approved sealants and applicators are available by standard distributors.

Warranty Information

Region	Warranty Years (Vertical/Horizontal)
Hawaii, Arizona, Nevada	7/4
USA*, Canada	7/5
LATM**	5/3
LATM** Other	7/5

- * Excluding Hawaii, Arizona, and Nevada
** Includes countries with geographical location of +/- 5 degree from the Equator & North of Mexico: Parts of Ecuador, Venezuela, Colombia, Guyana, Suriname, French Guiana, Brazil and Peru. For more clarification, please contact your territory manager.

Notes on Warranties for Exterior Films

Because of their continuous exposure to UV rays, hours in the sun, harsh weather conditions and various outdoor pollutants, OSW films are constantly challenged and in effect, **the warranty period given is for the expected lifetime**. An OSW film may last beyond the warranty period provided, however, expectations about the warranty term should be clearly set with the customer. Their expected lifetime is even further shortened by the intensified UV radiation and moisture pooling if installed on a sloped surface. That is why the warranty for sloped installations is less than that for vertical installations. When an OSW film is approaching the end of its useful life, the exterior of the film deteriorates, and its general appearance may turn hazy, the film may become brittle, curl, or delaminate.

Other weathering considerations:

- The less reflective the film is, the more it absorbs heat.
- The incident angle and aspect of the pane and the orientation (N, S, E, W) may significantly affect the length of time the film retains its appearance.
- Partial shading or curtains, which can cause one section of the film to be cool and another significantly warmer.
- Seasonal climate and day/night temperature extremes.
- Airborne pollutants, including those that may be acidic.
- Poor installation or improper edge sealing.

Marketing Support

Marketing support is available for this launch as follows:

- Sample sheets

The reference numbers are SK0134S4COSW, SK0134SSSOSW15, SK0314SSSOSW25, SK0314SSSOSW40, SK0314SSSOSW45. They are all available online, on the Dealer's Corner.

Technical & Web Support

These are available on the Dealer's Corner as PDF files.

- The Outside Weatherable Advantage (can be used as sell sheet too):
PDF0165OSW
- Outside Weatherable Film Installation (and 4mil OSW Safety Film Installation are now combined together):
PDF250SGOSW
- Post Care & Maintenance of Outside Weatherable Films:
PDF0250SG20MAIN
- Nickel Sulfide Inclusion Technical Bulletin:
PDF0258SGNSI
- Film-to-Glass Guide
PDF0234