

# PolarSHIELD

UV-Activated Film

*A Revolutionary UV-Activated Film for  
Ultimate Sun Protection*

## Description

A Dynamic Glass film, PolarShield UV-Activated Film is a state-of-the-art light control solution that dynamically adapts to UV exposure. This innovative film changes from a transparent state to a darkened, polarized state when exposed to ultraviolet (UV) rays, providing both sun protection and enhanced visual comfort.

## FEATURES AND BENEFITS

- **UV-Activated** - Darkens when exposed to UV rays and returns to a transparent state when UV exposure decreases.
- **Privacy and Glare Reduction** - Maintain your privacy and reduce glare without compromising on natural light.
- **Maximum UV/IR Block** - Enjoy 90% UV/IR radiation blockage, safeguarding your interiors from sun damage, fading, and reducing the risk of skin-related health issues.
- **Heat Reduction** - Significantly reduce indoor heat buildup, ensuring a comfortable living and working environment, and saving on cooling costs.
- **Energy Efficiency** - By reducing the reliance on air conditioning systems, PolarSHIELD UV-Activated Film contributes to lower energy consumption and a smaller carbon footprint.
- **Extra Large Customized Sizes** - Available in 59" widths with a height capacity of up to 164 feet.
- **Easy Installation** - PolarSHIELD UV-Activated Film is easy to install on various window types and sizes, making it a versatile solution for residential and commercial applications. Choose from an easy to use self-adhesive film or a non-adhesive film that can easily be used in any laminated glass panel.

## APPLICATIONS

- **Residential:** Enhance the comfort and energy efficiency of your home while preserving your furniture and décor.
- **Commercial:** Create a more productive and comfortable workspace for employees and visitors.
- **Retail:** Protect merchandise and create an inviting shopping environment.
- **Healthcare:** Provide a sun-safe and comfortable environment for patients and staff.
- **Hospitality:** Offer guests a relaxing and sun-protected experience.

## INSTALLATION INSTRUCTIONS (FOR SELF-ADHERING FILM ONLY)

1. Clean the surface thoroughly to remove any dust, dirt, or oil.
2. Cut the film to the desired size and shape, leaving an extra margin for adjustment.
3. Peel off the protective backing and apply the adhesive side to the clean surface.
4. Use a squeegee or similar tool to remove air bubbles and ensure a smooth application.
5. Trim any excess film with a sharp blade.
6. Allow 24 hours for the adhesive to fully cure and the film to stabilize.

## MAINTENANCE

- Clean with a mild soapy solution and a soft, lint-free cloth.
- Do not use abrasive or alcohol-based cleaners.

## DYNAMIC GLASS

- PolarSHIELD is a Photochromic Dynamic Glass which qualifies for the Inflation Reduction Act.



866-466-9525

info@privacyglassolutions.com

## CUSTOMER SERVICE

For technical assistance or installation questions not covered in this document, please contact our Technical Services Department at (866) 466-9525 or visit [www.privacyglassolutions.com](http://www.privacyglassolutions.com).

Self-Adhesive Film Specifications		
Thickness	/	0.5mm
Visible Light Transmittance	Transparent State	≥88%
	Discoloration Status	≤20%
Haze	Transparent State	≤3%
	Discoloration Status	≥3%
Viewing Angle	Transparent State	≥160°
UV Blocking Rate	Transparent State	≥80%
	Discoloration Status	≥90%
Infrared Blocking	Transparent State	≥10%
	Discoloration Status	≥10%

Laminated Film Specifications		
Thickness	/	0.4mm
Visible Light Transmittance	Transparent State	≥88%
	Discoloration Status	≤20%
Haze	Transparent State	≤2%
	Discoloration Status	≥2%
Viewing Angle	Transparent State	≥160°
UV Blocking Rate	Transparent State	≥80%
	Discoloration Status	≥90%
Infrared Blocking	Transparent State	≥10%
	Discoloration Status	≥10%

