

Avery Dennison®

Architectural Window Films



Solar



Design



Safety



30 years of innovation

Avery Dennison is a global leader in the development and manufacturing of specialized films and sustainable building solutions for a wide range of applications. With over 30 years of experience, Avery Dennison is recognized for its innovative architectural window films used in solar control, design, safety and security applications. Our company's vision is to actively pursue and develop technologies in performance films that provide enhanced capabilities in areas of energy efficiency, sustainability, safety, aesthetics and functionality; and to ensure their implementation around the globe through partnership and outstanding support.

A dedicated team of Window Film experts

The Avery Dennison Graphics Solutions Business has dedicated R&D professionals, QA experts, technical engineers; sales, marketing and logistic people all focused towards our window film products. All production is based in Avery Dennison centralized corporate production facilities.

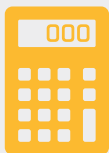
Technical and professional support from start to finish

Working in partnership with the Avery Dennison Team gives our customers access to the professional support, technical expertise and marketing know-how needed to enhance your project.

Our commitment to energy efficiency and sustainability

Our solar control window films can enhance building occupants' comfort and productivity by reducing glare and solar heat gain. Additionally, our solar control films are a smart way to reduce a building's energy needs, carbon footprint and operating costs.

Our sustainable solar control window film can:



Save up to 30%¹ of cooling energy costs and associated carbon emissions



Cut heat build-up and glare by up to 85%², improving a building's green profile



Offer payback in as little as three years¹

Architectural window films provide an aesthetic retrofit glazing upgrade that is environmentally responsible, saves energy and provides UV protection, glare control and increased interior comfort.

¹Based on field energy simulations

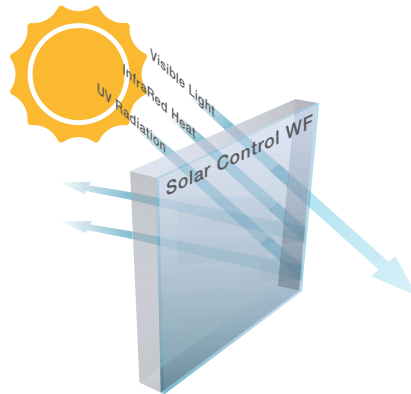
²DR Grey 10X and DR Grey 10 XTRM

How do sustainable solar control window films work?

Our solar control window films filter solar radiation passing through glass to effectively reduce heat buildup to keep interiors cooler and reduce air conditioner workload. Lower energy output means less associated carbon emissions and improved carbon footprint.

The right choice!

- > Sustainable, energy-efficient films
- > Performance backed by limited, long-term warranties³
- > Technical and professional support from start to finish



Solar Control Film Benefits:

- > Improve energy efficiency; reduce operating costs
- > Reduce carbon footprint
- > Prolong air conditioning service life



Comfort

- > Reduce heat buildup and provide more consistent temperature
- > Reduce glare to improve productivity



Protection

- > Protect people from harmful UV radiation
- > Protect interiors from sun damage and fading
- > Improve privacy



Aesthetics

Wide range of aesthetic window film options to choose for each application:

- > Solar control
- > Safety and Security
- > Design

³See warranty for complete details: <http://graphics.averydennison.com/en/home/graphics-products/window-films/architectural-window-films.html>



UV Block



Lower heat gain



Light control



Aesthetics



Upgrade window glazing with sustainable solar control window film

Up to **34%** less
time⁴ to reach
desired temperatures

Up to **5°C**
temperature difference
in rooms with our solar
control window film⁴

Easing workload to cool buildings means reducing resources needed to maintain comfortable temperatures and improving a building's environmental impact.

Technical Professional Support of Window Film Installations

Avery Dennison provides a variety of technical support services for implementing glazing energy upgrades with sustainable solar control window films to ensure our customers are professionally represented.

Ask us how we can help you achieve your energy efficiency goals.



Building Survey

Guidance and tools for on-site data collection



Energy Modeling

Comprehensive analysis and energy reduction forecast



Incentives Assessment

Support for meeting regulation requirements and rebate and tax credits



Film Installation

Non-disruptive, glazing upgrade by professional installers of Avery Dennison window film products



Measurement & Verification

Post-installation performance tracking

⁴Field tested



UV Block



Lower heat gain



Light control



Aesthetics

Going exterior with sustainable, vertical and skylight solar control window films

The Exterior Advantage - More Efficient, More Compatible

Exterior films reject solar energy on the outer surface of windows which keep the inner surface cool and reduces the solar energy that penetrates a building. These films are more effective than interior window films at reducing solar heat gain through advanced glazing systems such as dual-pane (IGU), triple-pane, Low-E windows, and etc. This means an even greater level of energy and environmental savings.

Exterior Solar Control Window Films

Exterior solar control window films are sustainable building solutions that reject solar radiation from the outer surface of a window before it passes through the glazing system, delivering a higher level of solar rejection. Convenient, non-disruptive and exterior installed solar window films are suitable for commercial projects where maintaining business activities is especially important. Our exterior window films can be installed on virtually any glazing type.

XTRM Solar Control Window Films

Engineered using a robust, metallized polymeric-based film, XTRM reflective films are designed for exterior application on vertical architectural glass to deliver outstanding solar protection for a prolonged service life - up to 15 years⁵ limited warranty.

XTRM SkyLite Solar Control Window Films

Part of the XTRM solar control window film product range, XTRM SkyLite is designed to withstand demanding horizontal and sloped exterior roof applications and is based on a flexible and resilient metallized polymeric film to deliver outstanding solar protection for a prolonged service life - up to 10 years⁵ limited warranty.

Poly Window Films - designed for plastic glazing

We offer two Poly window film product categories:

- > Poly film for protection from damage and graffiti on easily scuffed polycarbonate or PMMA surfaces
- > Poly solar control film for outstanding heat and glare control for comfortable building interior and improved carbon footprint.

Design Window Films

Avery Dennison design window films for interior application enhance the appearance of glass: windows, walls and partitions as well as functionality within rooms. Our design window films provide UV protection, privacy and can be used to delineate space, disguise unattractive features or deliver branding or graphic impact. For customized designs, our DS Print SR films for UV wide format inkjet printers have durable scratch resistant coating and removable pressure sensitive adhesive that is specially designed to be compatible with both glass and rigid plastic glazing systems. Avery Dennison exterior design window films upgrade old buildings with a strong, modern visual statement along with delivering sustainable solar performance.

⁵See warranty for complete details: graphicsap.averydennison.com/en/home/graphics-products/architectural-films.html



Safety & Security Window Films

With years of field experience, Avery Dennison is a leading developer and manufacturer of safety and security window films.

Safety & Security Clear Protection

The safety and security range of window film improves home and workplace security by transforming their most vulnerable aspect – windows and glazing systems. Installing the appropriate film can minimize the threat of glass-related injuries resulting from impact, collision, blast or natural disaster. Clear safety window films also provide up to 99% UV protection⁶. Avery Dennison safety and security window film solutions protect governmental, commercial, health, residential and educational buildings across the globe.

Anti Graffiti - Surface Protection Window Films

Our transparent anti-graffiti, surface protection window films are suitable for both interior and exterior installation. A special hard surface coating provides resistance to scratching, protects glass from acid and allows easy cleaning of most sprays, paints and pens. Removing and replacing scratched or damaged film is fast and simple, thanks to a removable adhesive that does not leave residue.

Solar Control Safety Window Films - Safety Protection, Environmentally Responsible and Energy Efficient

Avery Dennison solar safety window films combine the shard protection of safety security films with excellent levels of energy efficiency for immediate energy savings, reduced carbon footprint, improved comfort and enhanced appearance.

Safety Clear Modular Window Films - Combine Safety Protection with any Solar Window Film

Enjoy the best of both worlds by combining SF Clear Modular™ films with any of our solar control window films to open a wider variety of safety and solar control solutions.

⁶Based on internal testing



UV Block



Lower
heat gain



Light
control



Aesthetics

About Avery Dennison

Avery Dennison Corporation (NYSE: AVY) is a global materials science and manufacturing company specializing in the design and manufacture of a wide variety of labeling and functional materials. The company's products, which are used in nearly every major industry, include pressure-sensitive materials for labels and graphic applications; tapes and other bonding solutions for industrial, medical and retail applications; tags, labels and embellishments for apparel; and radio-frequency identification (RFID) solutions serving retail apparel and other markets. Headquartered in Glendale, California, the company employs approximately 30,000 employees in more than 50 countries. Reported sales in 2018 were \$7.2 billion. Learn more at www.averydennison.com.

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