

# Window Films Energy Efficiency & Sustainability



Solar



Safety

# 40 years of innovation

Avery Dennison®, a global leader in pressure sensitive and functional materials, acquired Hanita Coatings® in 2017. Hanita Coatings has over 40 years of experience in the development and manufacturing of specialized films and sustainable building solutions for a wide range of applications. Hanita Coatings 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**

---

**Technical and professional support from start to finish**

---

**Our commitment to energy efficiency and sustainability**

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.

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 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%<sup>1</sup> of cooling energy costs and associated carbon emissions



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



Offer payback in as little as three years<sup>1</sup>

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.

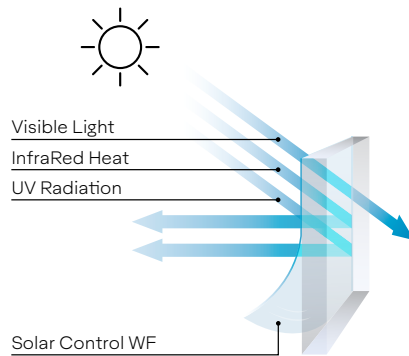


# How do sustainable solar control window films work?

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 warranties<sup>3</sup>
- 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
- Save additional investment in your current HVAC systems



## Comfort

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



## Protection

- Protect people from harmful UV radiation (recommended by Skin Cancer Foundation)
- Protect interiors from sun damage and fading
- Improve privacy



## Aesthetics

Wide range of aesthetic window film options to choose from barely discernible to high efficiency and advanced technology, available for both indoor and outdoor applications. Consult with our expert team which film is the right choice for your project.



UV Block



Lower heat gain



Light control



Aesthetics

<sup>1</sup> Based on field energy simulations  
<sup>2</sup> DR Grey 10 X / Titan 10 Xtra  
<sup>3</sup> See warranty for complete details:





# Upgrade window glazing with sustainable solar control window film

Up to

**34%**

less time<sup>4</sup> to reach desired temperatures

Above

**5°C**

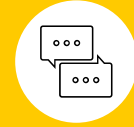
temperature difference in rooms with our solar control window film<sup>4</sup>

---

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

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.



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



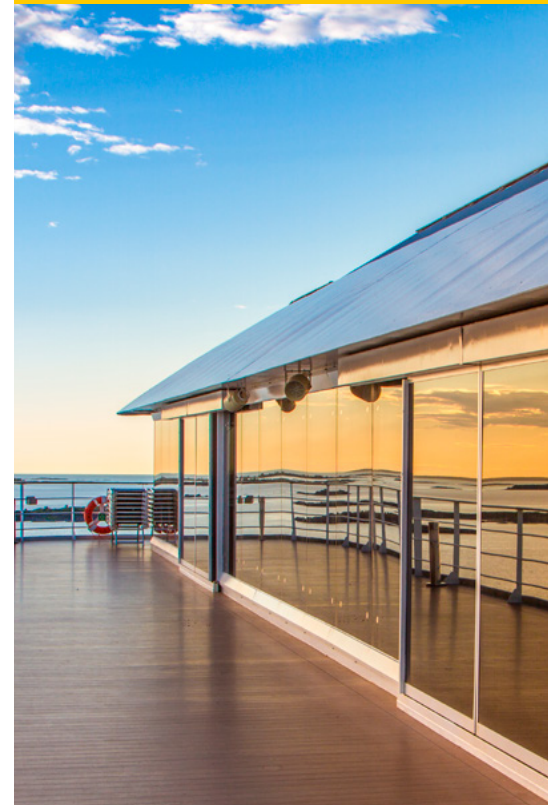
### Film Installation

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



### Measurement & Verification

Post-installation performance tracking



UV Block



Lower heat gain



Light control



Aesthetics

<sup>4</sup> Field tested

# 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 PRO SkyLite Solar Control Window Films

Part of the XTRM PRO solar control window film product range, XTRM PRO 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 years<sup>5</sup> limited warranty.

### Solar Speciality Interior

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.

### XTRM PRO Solar Control Window Films

Engineered using a robust, metallized polymeric-based film, XTRM PRO reflective, dual reflective and spectrally selective films are designed for exterior application on vertical architectural glass to deliver outstanding solar protection for a prolonged service life - up to 15 years<sup>5</sup> limited warranty.

### Poly Window Films - designed for plastic glazing

We offer two Poly window film product categories:

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



### 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 protection<sup>6</sup>. 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 hardcoat provides surface 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.



UV Block



Lower heat gain



Light control



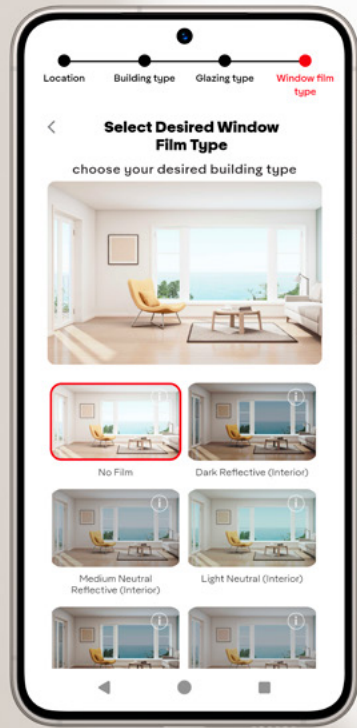
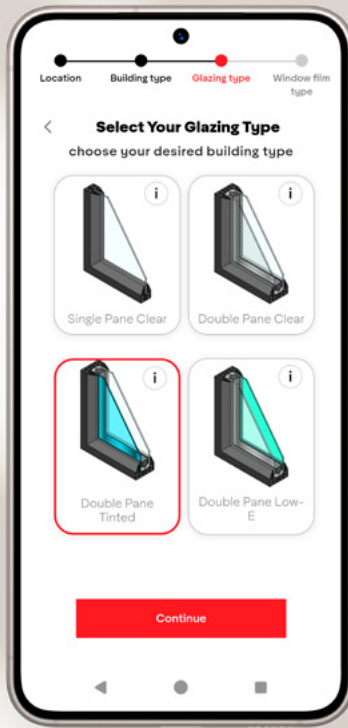
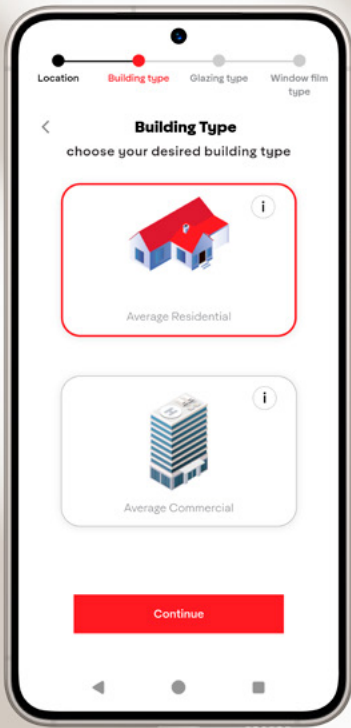
Aesthetics

<sup>5</sup> See warranty for complete details:

Speak with your Avery Dennison window film sales representative for complete warranty details

<sup>6</sup> Based on internal testing





# Energy Savings Calculator

Avery Dennison Solar Window Films filter lower heat gain passing through the glass to effectively reduce heat buildup, keeping interiors cooler and reducing air conditioner workload. Lower energy consumption means less associated carbon emissions and improved carbon footprint.

Explore our NEW custom calculator developed to estimate how our Solar Control Window Films can increase energy efficiency and sustainability based on building type.

[adsolarcalc.com](https://adsolarcalc.com)  
[graphics.averydennison.com/eu-en](https://graphics.averydennison.com/eu-en)



#MakingPossible



DISCLAIMER — All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

©2025 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison. 2025-04\_33067 EN



**MAKING POSSIBLE™**