

Avery Dennison® Architectural Window Films



Solar



Design



Safety

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Avery Dennison®

Architectural Window Films

Avery Dennison Architectural Window Films can improve the performance and transform the appearance of commercial, industrial and residential buildings.

Major glazing system enhancements are available for both interior and exterior use, including solar protection, design and window safety applications.



Solar Window Films

The high performance Solar Window Films filter damaging solar radiation and reduces interior heat build up - providing multiple benefits to occupants such as enhanced comfort and reduced glare, less fading of furniture and lower energy cost.

With a comprehensive range of finishes available, the level of privacy can be selected and the appearance of the building transformed.



Design Window Films

Avery Dennison has developed an attractive range of films to suit projects where enhancing a building's interior and exterior appearance is paramount.

Explore the selection of Design Window Films and discover how a building project can enjoy both aesthetics and excellent solar protection.



Safety Window Films

The Safety Window Film range is designed to improve both safety and security, and offer a range of protection levels to glass breakages caused by accident, malicious intent or extreme weather conditions. Additional surface protection solutions are also available, with Anti-Graffiti properties.

Find a recommended product for a specific glazing systems using our Film to Glass (FTG) application charts available on our website. We provide you with full sales and technical support, to ensure the best possible application results.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Light control

- > Improves comfort
- > Reduces glare



Anti-graffiti

- > Protects surface
- > Clean and easy removal



Lower heat gain

- > Improves comfort
- > Saves energy



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy



Shard retention

- > Enhances personal safety
- > Offers security protection



Reflective Interior



The Avery Dennison® R Silver i Film Series is designed for interior applications in buildings such as offices.

These metalized films provide possibly the maximum amount of energy efficiency by rejecting excess solar radiation, reducing heat build-up from windows. A silver (mirror like) finish is available in two different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
R Silver 20i	99	99	80	79	79	79	78	70
R Silver 35i	99	99	63	62	68	68	65	58
R Silver 50i	97	98	44	43	54	54	50	45
R Silver 20i Low E	99	99	81	81	82	82	80	71

Reflective Exterior



The Avery Dennison® R Silver X Film Series is designed for exterior installation.

These films are especially energy efficient when used on advanced glazing systems, rejecting the solar energy before it is transmitted through a window. The Poly version is based on a unique adhesive system designed for rigid plastic substrates. Typical applications include commercial buildings. A silver (mirror like) finish is available in two different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
R Silver 20X	99	99	81	80	84	84	81	85
R Silver 35X	99	99	63	62	71	71	66	72
R Silver 50X	99	99	46	45	59	59	54	62
R Silver 20X Poly	99	N/A	82	N/A	84	N/A	81	N/A
R Silver 20 XTRM	99.9	99.9	84	83	84	84	83	86
R SkyLite 20 XTRM	99.9	99.9	84	83	85	85	83	86
R SkyLite 20 XTRM Poly	99.9	N/A	84	N/A	85	N/A	83	N/A

Dual Reflective Interior



Dual Reflective interior films are ideal for commercial and residential retrofit glazing projects where increasing comfort, reducing hot spots and conserving energy are most important, all while maintaining a neutral interior view to the outside.

These films are available with a neutral grey interior finish and a reflective silver exterior finish in seven different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IERE) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
DR OptiTune 05i	99	99	93	93	82	82	84	73
DR OptiTune 15i	99	99	85	85	77	77	78	68
DR OptiTune 20i	99	99	77	76	68	68	67	56
DR OptiTune 30i	99	99	63	63	65	65	63	54
DR OptiTune 40i	99	99	54	54	57	65	54	46
DR OptiShade 15i	99	99	82	82	74	74	73	62
DR OptiShade 25i	99	99	70	69	63	63	61	51
DR OptiShade 35i	99	99	61	61	49	49	50	41

Dual Reflective Exterior



The Avery Dennison® DR Grey X Film Series is designed for exterior installation. A reflective outer layer ensures high solar energy rejection and privacy, while a neutral inner layer based on nanotechnology preserves views to the outside and maintains indoor ambience.

Typical applications include hotels, banks and residential buildings. These films are available with a neutral grey interior finish and a reflective silver exterior finish, in four different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
DR Grey 10X	99	99	91	91	83	83	83	88
DR Grey 20X	99	99	79	78	70	70	69	77
DR Grey 35X	99	99	61	61	58	58	57	65
DR Grey 10 XTRM	99.9	99.9	92	92	87	87	85	90
DR Grey 20 XTRM	99.9	99.9	78	78	73	73	71	78
DR Grey 35 XTRM	99.9	99.9	61	61	58	58	57	65

Spectrally Selective Interior

The Avery Dennison® SP e-Lite i Film Series is designed for interior applications. Nanotechnology is used to filter undesired infrared radiation while allowing visible light to pass through and maintaining colour stability (hence the name 'spectrally selective').

These films are an excellent heat rejection upgrade, preserving the natural appearance of a building's interior and exterior, and are often used for historical buildings. They are available in two different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare

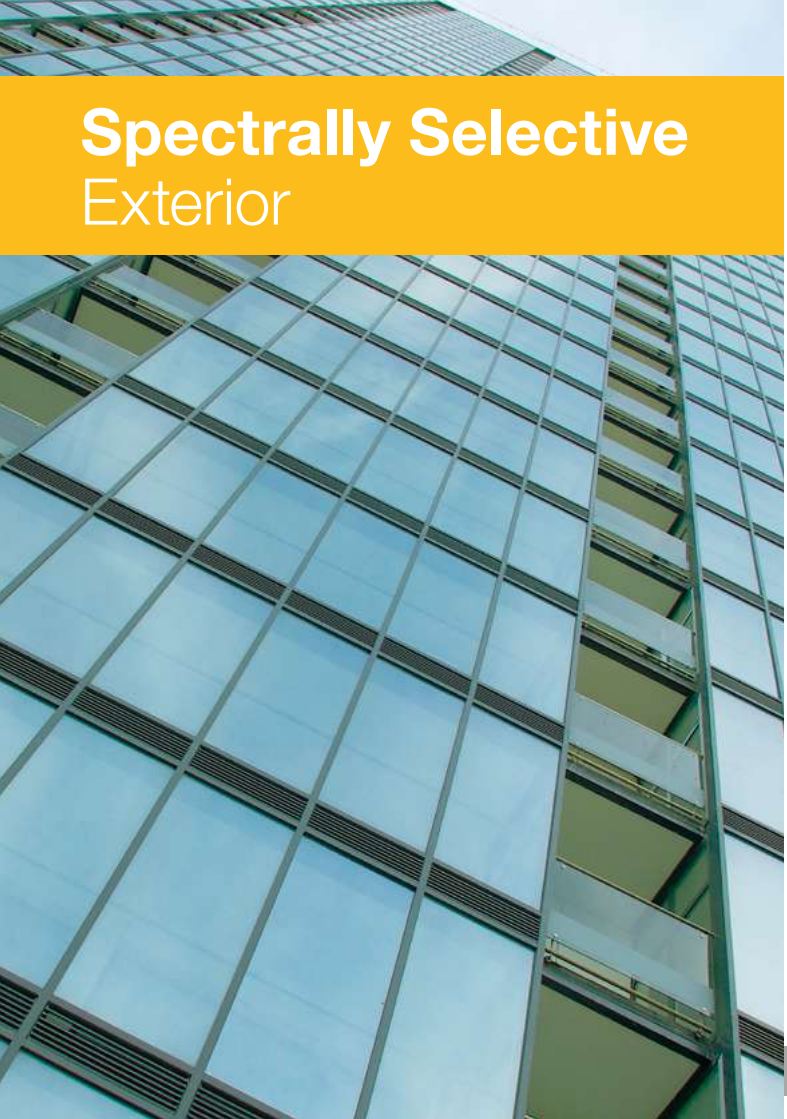


Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
SP e-Lite 45i	99	99	51	50	69	69	59	49
SP e-Lite 70i	99	99	27	25	71	71	52	44

Spectrally Selective Exterior



The Avery Dennison® SP e-Lite X Film Series is designed for exterior applications. Nanotechnology is used to filter undesired infrared radiation while allowing visible light to pass through and maintaining colour stability (hence the name 'spectrally selective').

These films are an excellent heat rejection upgrade, preserving the natural appearance of a building's interior and exterior, and are often used for historical buildings. They are available in three different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
SP e-Lite 45X	99.9	99.9	48	47	72	72	61	69
SP e-Lite 70X	99.9	99.9	25	24	70	70	53	61
SP Blue 75X	99	99	16	15	63	63	46	57

Neutral Interior



Avery Dennison's Neutral interior window films add a subtle gray appearance to glazing for an extremely effective reduction in heat gain and glare that preserves the natural view through the glass.

Incorporate subtle sophistication and comfort to residential and commercial projects with Avery Dennison's Neutral Interior Films, available in seven different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IREF) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
NT PerLite Ceramic 20i	99	99	76	75	74	74	70	56
NT PerLite Ceramic 35i	99	99	56	55	60	60	55	45
NT PerLite Ceramic 50i	99	99	43	42	53	53	49	43
NT PerLite Ceramic 70i	99	99	25	25	33	33	31	32
NT Natura 05i	99	N/A	92	N/A	64	N/A	70	N/A
NT Natura 15i	99	N/A	83	N/A	63	N/A	62	N/A
NT Natura 30i	99	99	65	65	49	49	52	42

DS Print SR Interior

DS Print SR is architectural-grade printable film which delivers crisp, high-definition images, and offers limitless interior design flexibility and privacy on interior windows.

DS Print SR i interior window film is engineered for UV wide format inkjet printers. This optically clear PET-based film with scratch resistant coating with ultraviolet block, delivers vivid graphics suitable for large scale branding and decorative interior design. DS Print SR i is available in 2 and 4 mil thicknesses.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %	Glare Reduction %	Total Solar Energy Rejected %
	Single Pane	Single Pane	Single Pane

DS Print SR 2 Mil

90

0

16

DS Print SR 4 Mil

90

1

16

Design Interior



Avery Dennison's Design interior window films are ideal for enhancing the functionality and appearance of glass. Design interior window films provide UV protection, privacy; can be used to delineate space, disguise unattractive features; or provide graphic impact, graphic accents; company logos and icons can all be created easily on Design interior window films.

Interior Design window films are a great way to enhance functionality through interior design.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
DS Matte 2 mil i	94	95	20	19	26	26	27	31
DS Black i	100	N/A	100	N/A	91	N/A	84	N/A
DS White i	99	99	89	89	62	62	69	58
DS UV Filter i	100	100	3	3	17	17	18	26

Design Exterior



Avery Dennison Design Exterior window films combine exceptional solar protection with a bold appearance. Compatible with almost all glass glazing types Avery Dennison Design Exterior window films are a great solution for commercial projects with a focus on achieving a strong visual statement.

Design Exterior window films provide convenient, non-disruptive, exterior installation ,available in two different light transmission levels.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
DS Bronze 20X	99	99	82	81	92	92	83	88
DS Blue 35X	99	99	63	79	59	59	55	65
DS Blue 35 XTRM	99	99	63	79	59	59	55	65

Safety & Security Interior



The Avery Dennison® SF Clear i Film Series is designed for interior applications.

A full range of film thicknesses provides various protection levels from glass shattering caused by impact, blast, crime and natural disaster. These transparent films offer excellent clarity, low reflectance and high UV protection, and are available in six different thicknesses.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Shard retention

- > Enhances personal safety
- > Offers security protection

	UV Block %	Glare Reduction %	Total Solar Energy Rejected %
SF Clear 4 mil i	97	1	16
SF Clear 7 mil i	99	2	17
SF Clear 8 mil i	99	2	18
SF Clear 12 mil i	99	3	18
SF Clear 15 mil i	99	3	16
SF Clear 4 mil Mod	97	1	16
SF Clear 7 mil Mod	99	2	17
SF Clear 12 mil Mod	99	3	18
SF Matte 5 mil i	98	36	38
SF Matte 12 mil i	99	38	40

Safety & Security Exterior

The Avery Dennison® SF Clear X Film Series is designed for exterior applications. It uses a durable, scratch resistant hard coating and an advanced adhesive system.

These exterior safety films provide an additional level of protection from the external side of the window, ensuring that glass shards do not injure passing pedestrians. The transparent films offer excellent clarity, low reflectance and high UV protection, and are available in two different thicknesses.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Shard retention

- > Enhances personal safety
- > Offers security protection

	UV Block %	Glare Reduction %	Total Solar Energy Rejected %
SF Clear 4 mil X	99	2	17
SF Clear 7 mil X	99	2	17

Solar Safety Interior



Avery Dennison's Solar Safety interior films combine the sharp protection of safety security films with excellent levels of energy efficiency for immediate energy savings, comfort and attractive appearance that achieves far more than passive glazing protection. Building codes and insurance policies often demand glazing that meets certain safety standards such as impact-resistant glass in schools to break-in or blast protection for retail locations.

Avery Dennison's Solar Safety interior films deliver exceptional solar and security solutions for the needs of industry, businesses and institutions, and are available in two different light transmission levels and film thicknesses.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Shard retention

- > Enhances personal safety
- > Offers security protection



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance
- > Ensures daytime privacy

	UV Block %		Glare Reduction %		Infrared Energy Rejection (IRER) %		Total Solar Energy Rejected %	
	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane	Single Panel	Double Pane
R Silver 20 4 Mil	99	99	79	78	49	49	76	69
NT PerLite Ceramic 35 6 mil	99	99	56	55	69	69	56	46
NT PerLite Ceramic 35 10 mil	99	99	55	55	26	26	54	45
SP e-Lite 70 8 mil	99	99	27	26			51	46

Surface Protection PolyFilms Exterior



The Avery Dennison® PolyFilm X Series is designed for exterior applications. A unique adhesive allows application to plastic substrates such as polycarbonate or acrylic.

The special surface coating provides resistance to scratching, protects surface from acid and enables easy cleaning of most sprays, paints and pens. This film also protects plastic substrates against yellowing due to sun exposure and extends plastic lifespan. The transparent material is available in two different thicknesses.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Anti-graffiti

- > Protects surface
- > Clean and easy removal

	UV Block %	Glare Reduction %	Total Solar Energy Rejected %
Clear 4 mil Poly X	99	2	17
Clear 6 mil Poly X	99	2	18

Surface Protection Anti-Graffiti



The Avery Dennison® AG Clear ix Film Series was designed for both interior and exterior applications.

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 easy, thanks to a removable adhesive. These transparent films are available in two different thicknesses.

Key benefits



UV Block

- > Protects skin
- > Inhibits fading



Anti-graffiti

- > Protects surface
- > Clean and easy removal

	UV Block %	Glare Reduction %	Total Solar Energy Rejected %
AG Clear 4 mil ix	92	0	16
AG Clear 6 mil ix	97	2	16



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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