

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 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, no 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.

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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 Lower heat gain > Improves comfort > Saves energy **UV Block** > Protects skin > Inhibits fading **Aesthetics** > Upgrades appearance > Ensures daytime privacy **Light control** > Improves comfort > Reduces glare **Shard retention** Anti-graffiti > Enhances personal safety > Protects surface > Offers security protection > Clean and easy removal

Reflective Interior



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

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

Fire Certificate

DIN EN 13501-1

√ (B-s1, d0)

R Silver 20 i

R Silver 35 i

R Silver 50 i

Key benefits



- **UV Block**
- > Protects skin > Inhibits fading



Lower heat gain

- > Improves comfort
- > Saves energy



Light control

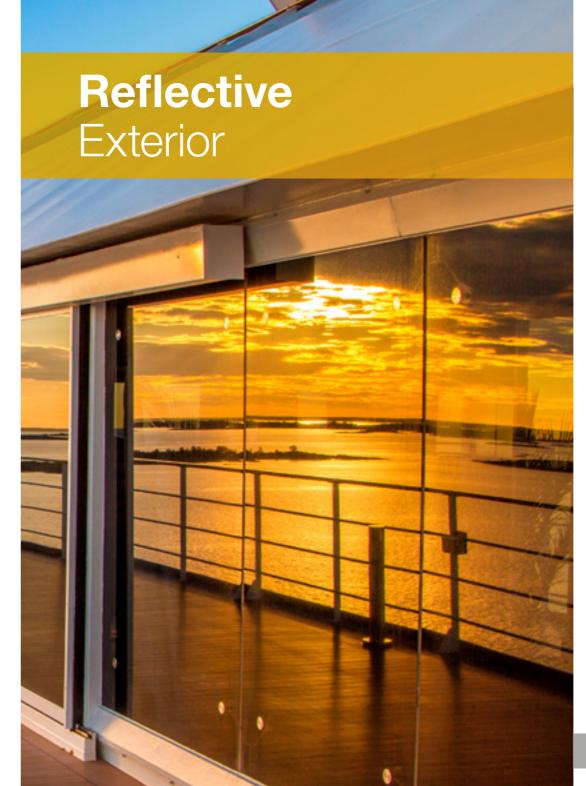
- > Improves comfort
- > Reduces glare



Aesthetics

> Upgrades appearance > Ensures daytime privacy

13 12 55 49 39 37 33 31



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 three different light transmission levels.

Key benefits

UV Block







Light control

- > Improves comfort
- > Reduces glare



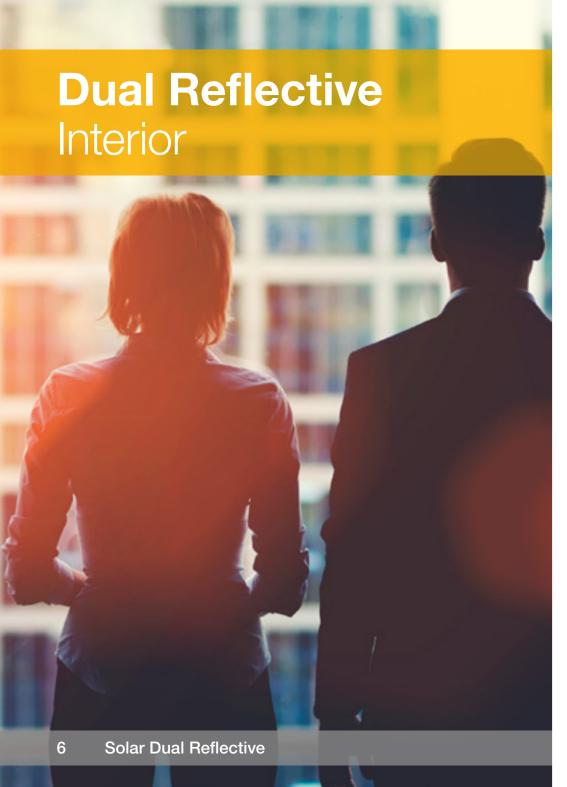
Aesthetics

> Upgrades appearance > Ensures daytime privacy

Fire Certificate

DIN EN 13501-1 $\sqrt{(B-s1, d0)}$ 63 64 R Silver 20 X R Silver 35 X 33 31 R Silver 50 X R Silver 20 X Poly 99

Solar Reflective



The Avery Dennison® DR Grey i Film Series is designed for interior applications. A reflective outer layer ensures high solar energy rejection and privacy, while a neutral inner layer based on nanotechnology preserves views to the outside, maintaining 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 two different light transmission levels.

Fire Certificate

DIN EN 13501-1 √ (B-s1, d0)

DR Grey 05 i

DR Grey 15 i

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

53 48 51 46



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

> Saves energy

> Inhibits fading

> Protects skin

Key benefits

UV Block



Lower heat gain > Improves comfort



Light control

- > Improves comfort
- > Reduces glare



Aesthetics

- > Upgrades appearance > Ensures daytime privacy

DIN EN 13501-1 √ (B-s1, d0)	UV block %	Visible light transmitted %	Total solar energy transmitted %	Total solar energy reflected %
	Single Pane Double Pane	Single Pane Double Pane	Single Pane Double Pane	Single Pane Double Pane
DR Grey 10 X	99 99	8 7	7 6	58 58
DR Grey 20 X	99 99	19 18	18 15	38 38
DR Grey 35 X	99 99	36 32	31 26	26 27
DR Grey 50 X	99 99	53 48	40 35	22 24

Spectrally Selective Interior

Solar Spectrally Selective

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.

Fire Certificate

DIN EN 13501-1 √ (B-s1, d0)

SS Natural 45 i

SS Natural 70 i

The Avery Dennison® SS Natural i

Key benefits

UV Block

- > Protects skin > Inhibits fading



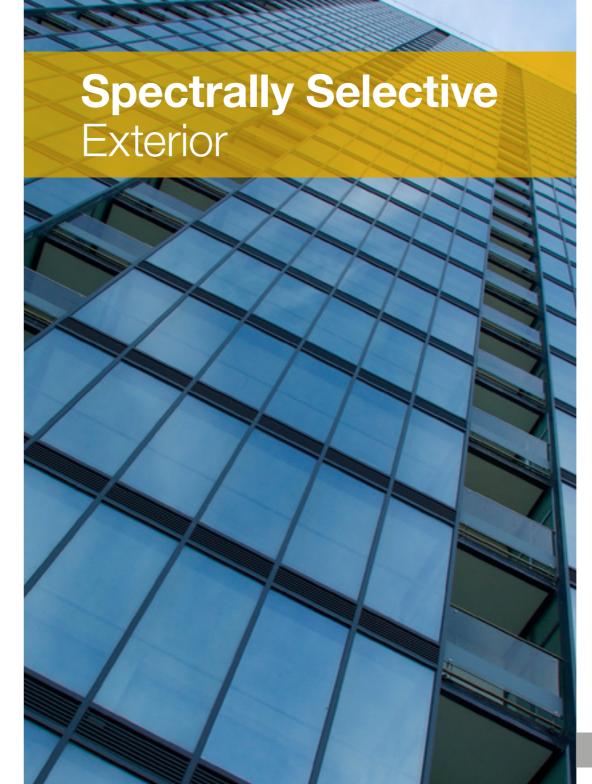
Lower heat gain

> Improves comfort > Saves energy



Light control

- > Improves comfort > Reduces glare



The Avery Dennison® SS Natural X Film Series is designed for exterior to filter undesired infrared radiation while allowing visible light to pass through and maintaining colour stability (hence the name 'spectrally

applications. Nanotechnology is used 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



> Inhibits fading





Light control

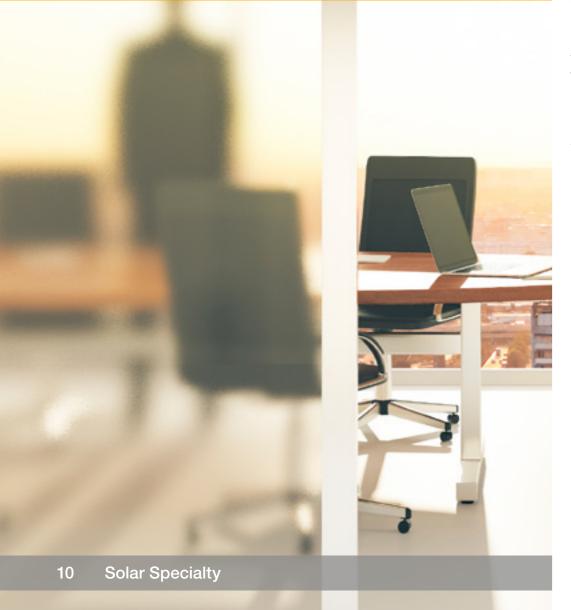
> Improves comfort > Reduces glare

Fire Certificate

DIN EN 13501-1 √(B-s1 d0)

(B-S1, au)	UV block %	Visible light transmitted %	Total solar energ transmitted %	Total solar energ reflected %
	Single Pane Double Pane	Single Pane Double Pane	Single Pane Double Pane	Single Pane Double Pane
S Natural 45 X	99.9 99.9	47 43	27 23	30 31
S Naural 70 X	99.9 99.9	67 61	37 33	30 31
S Blue 75 X	99 99	76 69	39 34	8 10

Solar Specialty Interior



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

The DS Matte film has a translucent sandblasted appearance, ensuring both privacy enhancements and a design upgrade, whilst the DS UV filter option provides 100% UV block. Typically used in museums.

Fire Certificate

DIN EN 13501-1

√ (B-s1, d0)

Key benefits



UV Block

> Protects skin > Inhibits fading

Light control

- > Improves comfort > Reduces glare

Aesthetics

Upgrades appearanceEnsures daytime privacy

Double Pane | Visible light |



Safety Clear 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 four different thicknesses.

SF Clear 4 mil i

SF Clear 7 mil i

SF Clear 8 mil i

SF Clear 12 mil i

Key benefits



UV Block

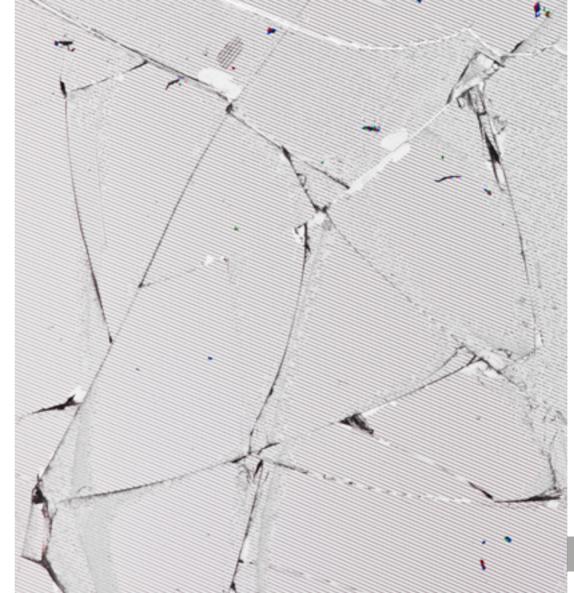
> Protects skin > Inhibits fading

Shard retention

- > Enhances personal safety
- > Offers security protection

UV block %	Visible light transmitted %	Thickness in mid
Single Pane	Single Pane	
97	89	100
97 99 99	88	175
99	88	200 300
99	87	300

Safety Clear 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.

SF Clear 4 mil X

SF Clear 7 mil X

Key benefits

UV Block

> Protects skin

> Inhibits fading

Shard retention

> Enhances personal safety

> Offers security protection

UV block %	Visible light transmitted %	Thickness in micro
Single Pane	Single Pane	
99 99	88	98
99	88	150

Surface Protection PolyFilms Interior



Avery Dennison® PolyFilm i is a transparent film designed for interior applications. A unique adhesive allows application on plastic substrates such as polycarbonate or PMMA.

The special surface coating provides resistance to scratching, and enables easy cleaning of most sprays, paints and pens.

Poly Clear 4 mil i

Key benefits



UV Block > Protects skin

> Inhibits fading

Anti-graffiti

- > Protects surface
- > Clean and easy removal

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 PMMA.

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.

Poly Clear 4 mil X

Poly Clear 6 mil X

Key benefits

UV Block

> Protects skin > Inhibits fading



Anti-graffiti

- > Protects surface
- > Clean and easy removal

UV block %	Visible light transmitted %	Thickness in mic
Single Pane	Single Pane	
99 99	88	98
99	88	150

Surface Protection



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.

AG Clear 4 mil ix

AG Clear 6 mil ix

Key benefits

UV Block

> Protects skin > Inhibits fading

Anti-graffiti

- > Protects surface
- > Clean and easy removal

UV block %	Visible light transmitted %	Thickness in m
Single Pane	Single Pane	
93.68	90 88	100
99.90	88	150

Safety Window Films Certificates

Product name	Fire		Impact		Bomb blast
TEST METHOD	DIN EN 13501-1 (B-s1, d0)	BS 6206	EN 12600	DIN EN 356	Bomb Blast GSA Level C
Clear Interior F	ilms				
SF Clear 4 Mil i		√ (B)	√ (2B2)		
SF Clear 7 Mil i			√ (2B2)		
SF Clear 8 Mil i			√ (1B1)		3B
SF Clear 12 Mil i	\downarrow			√ (P2A)	
Clear Exterior F	Films				
SF Clear 4 Mil X			√ (2B2)		
SF Clear 7 Mil X	√		√ (1B1)		
Anti-Graffiti Un	iversal Film				
AG Clear 4 mil ix	\neg				
AG Clear 6 mil ix					
PolyFilms					
Poly Clear 4 mil					
Poly Clear 4 mil X					
Poly Clear 6 mil X	√				



Other Architectural Solutions from Avery Dennison:

Facade Film[®] for Building Renovation

Fast, clean and easy - residential and commercial redecoration projects

Restyling or redecorating residential, industrial or commercial buildings depends on a durable, conformable and easy to handle product. Singlelayer Avery Dennison Facade Film provides the high adhesion and simple application needed for difficult building substrates such as plastics, aluminium, uncoated/coated steel and reinforced facade panels.

- > Single layer construction
- > Good conformability
- > Up to 10 years durability
- > Custom Colour Matching for individual projects

Avery Dennison has been providing premium materials for building facades and door/window frames for more than 15 years. We can support projects in and around Europe, including custom project warranties for customers and end-users.



More information about Facade Film and Trainings 'how to apply can be found on our website www.graphics.averydennison.eu/facade More information about Facade Film and Trainings 'how to apply

graphics.averydennison.eu/architectural-window



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