

Avery Dennison® Architectural Window Films

AG Clear : 4 mil ix M & AG Clear 6 mil ix M

Revision:

Dated: 10/07/25

Uses:

AG Clear 6 mil ix M and AG Clear 4 mil ix M are sacrificial shields which protect flat surfaces from damage due to repetitive motion and acts of vandalism. AG Clear Films are for universal use and can be applied to either the interior or exterior surface of most glass window systems for anti-graffiti protection. Engineered with multipurpose adhesive compatible with glass and most rigid plastic substrates.



Face Film: 4 mil PET / 6 mil PET



Adhesive: Pressure Sensitive (PS)



Liner: Silicone Coated PET



Durability:

Exterior: Horizontal - 2 Years, Vertical - 3 Years
Interior: Commercial Vertical - 10 Years, Residential Vertical - Lifetime



Shelf Life: 24 months

Application Surfaces: Smooth Flat surfaces. - Compatible with glass and most rigid plastic substrates

Features

- Tough Invisible layer between vandals and glass.
- Keep vulnerable surfaces clear.
- Easy to remove and replace

Conversion

- Out of Box
- Manual Trim to Fit
- Plotter Cut
- Wet Apply

Common Applications

- Flat Glass
- Flat Surfaces
- Bus Stops
- Trains
- Subways
- Storefronts

Product Data Sheet

Page 1 of 4



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Physical Characteristics

Property	Measurement	Typical Value
Caliper, face	AG Clear 6 mil ix M AG Clear 4 mil ix M	6 mil 4 mil
Flammability	ASTM E-84	Type 1 or A
Shelf-Life		24 Months (when stored at the following temperatures and humidity conditions 50° -95° F (10° - 35° C) and 50±5% R. H.)
Durability	Interior Exterior	Horizontal - 2 Years, Vertical - 3 Years Commercial Vertical - 10 Years, Residential Vertical - Lifetime
Tensile Strength at Break		28,500 PSI
Break Strength		112 lb/inch
Elongation at Break		125%
Peel Strength	AG Clear 6 mil ix M AG Clear 4 mil ix M	2-3 lbs/in (350-525 N/m) 3-4 lb/inch (525-700 N/m)

Optical and Solar Properties

Optical and Solar Properties	AG Clear 6 mil ix M	AG Clear 4 mil ix M
Pane	Single	Single
Visible Light Transmitted	90%	90%\
Visible Light Reflected (Interior)	12%	11%
Visible Light Reflected (Exterior)	12%	11%
Ultraviolet Block	97%	92%
Total Solar Energy Reflected	11%	10%
Total Solar Energy Transmitted	82%	82%
Total Solar Energy Absorbed	7%	8%
Glare Reduction	2%	0%
Selective InfraRed Reduction (SIRR)	22%	21%
InfraRed Energy Rejection (IRER)	18%	18%
Shading Coefficient	0.97	0.97
Solar Heat Gain Coeff. (G-Value)	0.84	0.84
U-Value Winter (IP)	1.07	1.04
U-Value Winter (SI)	6.00	5.91
Total Solar Energy Rejected (TSER)	16%	16%

Safety Testing

Specification	Rating
ASTM E-84	Class 1 or A

Product Data Sheet

Page 2 of 4



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Related Documents:

[Window Film Resources](#)

For information on warranty terms, exclusions and certain limitations that apply see [Window Film Warranty](#) for details.

Document Title	Link / Location
Installation and Maintenance of Avery Dennison Architectural Window Film	IB 7.00
Installation and Maintenance of Poly Films for Rigid Plastic Glazing	LINK
Film to Glass Application Chart	LINK

AG Clear 6 Mil ix M/4 Mil ix M Durability:

Sub-Section

Film	Residential	Commercial
AG Clear 6 mil ix M	Interior - Lifetime	Interior - 10 yr
AG Clear 4 mil i M	Exterior Vertical - 3 yr	Exterior Vertical - 3yr
	Exterior Horizontal - 2yr	Exterior Horizontal - 2yr

Product Data Sheet

Page 3 of 4



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Product Data Sheet

Page 4 of 4

