

Avery Dennison
Graphics Solutions
Product Overview

Asia Pacific - ANZ
June 2023

Spectrally Selective Interior Films

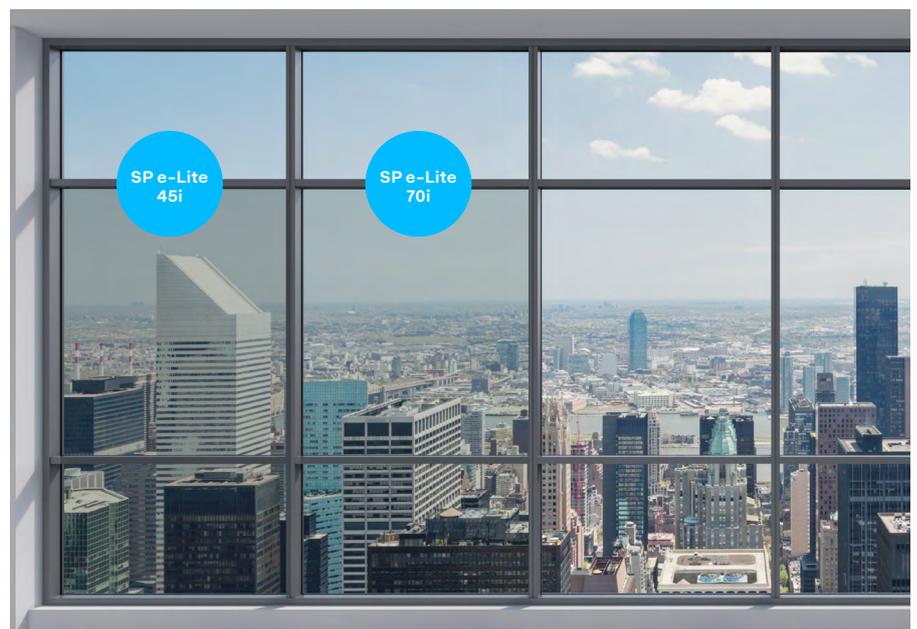
See the light,
feel the difference

Avery Dennison® Spectrally Selective sustainable interior window films are ideal for application on residential buildings, museums, historical and heritage buildings as well as commercial projects to effectively reduce solar heat gain and carbon footprint and preserving window transparency and maximizing viable light transmission.

Spectrally selective films present a sustainable, energy-saving choice that protects interiors from UV damage and fading, maintains interior comfort and compromises neither façade nor view.

SP e-Lite i

SP e-Lite i interior window films deliver excellent levels of heat rejection that maintain cool, comfortable interiors, whilst preserving the natural appearance of both the glass and the building exterior. The film's neutral color features low visible reflection inside and out, effectively reduces excessive solar heat and reduces the need to cool and associated carbon emissions. Available in different VLT's, SP e-Lite i interior window films are compatible with all glass glazing window systems and are particularly popular in historical buildings, museums and residential projects.

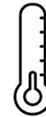


This image has been simulated and is not actual product comparison

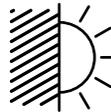
Features and Benefits



UV Block



Lower heat gain



Light control



Aesthetics

- High visible light transmission that is barely discernible on glass - high levels of natural daylight
- High heat rejection for enhanced building environmental impact, comfort and reduced cooling costs
- Low reflectivity preserves views night and day
- 99+% UV block reduces fading and damage from the sun
- Natural appearance maintains building's original façade

Optical and Solar Properties¹

Item Number	SP e-Lite 45i		SP e-Lite 70i	
	R081I4W		R081ISW	
Pane	Single	Double	Single	Double
Visible Light Transmitted	44%	40%	66%	61%
Visible Light Reflected (Interior)	12%	14%	15%	18%
Visible Light Reflected (Exterior)	17%	23%	16%	21%
Ultra Violet Block	99%	99%	99%	99%
Total Solar Energy Reflected	24%	26%	23%	25%
Total Solar Energy Transmitted	26%	23%	36%	33%
Total Solar Energy Absorbed	50%	51%	41%	42%
Emissivity (Room Side)	0.83	0.83	0.73	0.73
Glare Reduction	51%	50%	27%	25%
Selective InfraRed Reduction (SIRR) ²	86%	86%	87%	87%
InfraRed Energy Rejection (IRER) ³	69%	69%	71%	71%
Shading Coefficient	0.47	0.58	0.55	0.64
Solar Heat Gain Coeff. (G-Value)	0.41	0.51	0.48	0.56
U-Value Winter (IP)	1.04	0.48	0.98	0.46
U-Value Winter (SI)	5.88	2.72	5.59	2.64
Luminous Efficacy	0.94	0.69	1.20	0.95
Total Solar Energy Rejected (TSER)	59%	49%	52%	44%

¹ Performance results are calculated on 1/8" (3mm) glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards. Performance calculations should only be used for estimating purposes.

² Selective InfraRed Rejection (SIRR) - The percentage of IR radiation that is not directly transmitted through a glazing system. Calculated as %SIRR = 100% - % Transmission (@780-2500nm).

³ InfraRed Energy Rejection (IRER) - The percentage of Near Infrared Energy Rejection as measured between 780-2500 nm. Calculated as the TSER over 780-2500 nm: %IRER = 100% - 100*SHGC (@ 780-2500 nm).

⁴ Shelf Life: 2 years, stored in original packaging at 22° ±3°C / 50-55% RH

For more information, contact Avery Dennison customer service or your sales representative, or visit graphicsap.averydennison.com

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