Spectrally Selective Exterior Films

See the light, feel the difference

Solar

Avery Dennison's Spectrally Selective exterior window films effectively reduce solar heat gain while retaining high levels of daylight entering through windows and preserving the natural, transparent appearance of the glass.

Spectrally Selective exterior films reduce UV damage and fading caused by the sun and help maintain interior comfort without compromising neither facade nor view.

SP e-Lite X

PS

SP e-Lite X exterior window films deliver excellent levels of heat rejection helping maintain cool, comfortable interiors, while preserving the natural appearance of both the glass and the building exterior. The films' neutral color features low visible reflection inside and out, and effectively reducing excessive solar heat. Available in different VLT's, **SP e-Lite X** exterior window films are compatible with all glass glazing window systems and are particularly popular in historical buildings, museums and residential projects.

SP Blue X

PS

SP Blue X exterior window film delivers excellent levels of heat rejection. The subtle blue tint of this film filters 88% of heat-building IR radiation to keep a building cooler and comfortable without blocking welcome daylight. **SP Blue 75X** exterior window film is compatible with all glass glazing window systems and is popular in residential and commercial projects.

This image has been simulated and is not actual product comparison

SP e-Lite 45X | SP e-Lite 70X | SP Blue 75X

Features and Benefits

- High visible light transmission that is barely discernible on glass - high levels of natural daylight
- Excellent heat rejection for enhanced 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

Powered by NanoTechnology

AVERY DENNISON | Graphics Solutions

UV Block | Lower heat gain | Light control | Aesthetics

Optical and Solar Properties**	SP e-Lite 45X		SP e-Lite 70X		SP Blue 75X	
Item Number	R105I4X		R105I7X		R09275X	
Pane	Single	Double	Single	Double	Single	Double
Visible Light Transmitted	47%	43%	67%	61%	76%	69%
Visible Light Reflected (Interior)	12%	19%	17%	23%	9%	17%
Visible Light Reflected (Exterior)	17%	19%	18%	22%	9%	15%
Ultra Violet Block	99.9%	99.9%	99.9%	99.9%	99%	99%
Total Solar Energy Reflected	30%	31%	30%	31%	8%	10%
Total Solar Energy Transmitted	27%	23%	37%	33%	39%	34%
Total Solar Energy Absorbed	43%	46%	33%	36%	53%	56%
Emissivity (Room Side)	0.84	0.84	0.84	0.84	0.84	0.84
Glare Reduction	48%	47%	25%	24%	16%	15%
Selective InfraRed Reduction (SIRR)	86%	86%	83%	83%	88%	88%
InfraRed Energy Rejection (IRER)	72%	72%	70%	70%	63%	63%
Shading Coefficient	0.45	0.36	0.54	0.45	0.62	0.50
Solar Heat Gain Coeff. (G-Value)	0.39	0.31	0.47	0.39	0.54	0.43
U-Value Winter (IP)	1.04	0.48	1.04	0.48	1.04	0.48
U-Value Winter (SI)	5.92	2.73	5.92	2.73	5.91	2.73
Luminous Efficacy	1.04	1.19	1.24	1.36	1.20	1.38
Total Solar Energy Rejected (%)	61%	69%	53%	61%	46%	57%

with SP Blue 75X | Without film

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** Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.

About Avery Dennison

Avery Dennison (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. Headquartered in Glendale, California, the company employs approximately 30,000 employees in more than 50 countries. Reported sales in 2017 were $ 6.6 billion. Learn more at www.averydennison.com