

Spectrally Selective Solar Window Films

See the light, feel the difference



Avery Dennison® Spectrally Selective Solar Window Films use advanced nanotechnology to reduce solar gain and lower carbon footprints from cooling systems - while preserving all-important window transparency.

SS Natural i™ films for interior application, along with **SS Natural X™** films and **SS Blue X™** films for exterior application, are excellent choices for maintaining light levels in residential buildings, museums, historical buildings and commercial projects. They offer sustainable, cost-saving options that protect interiors from UV damage, and safeguard a building's external aesthetics. All films in the range deliver excellent levels of heat rejection, for cooler and more comfortable interiors.

SS Natural i suits interior installation, with two visible light transmission levels. **SS Natural X** is engineered for convenient, non-disruptive exterior installation, and is also available with two visible light transmission levels.

SS Blue 75X™ exterior solar window film offers a subtle blue tint, and filters 88% of heat-building IR radiation, keeping a building cooler and more comfortable without blocking welcome daylight.

Features and Benefits

- > High visible light transmission - barely discernible on glass
- > Maintains levels of natural daylight
- > 99% UV block, limiting fading and damage from the sun
- > Advanced nanotechnology
- > Excellent heat rejection for enhanced comfort, reduced cooling costs and lower carbon emissions
- > Low reflectivity preserves views - day and night
- > Natural appearance, maintaining original building facades
- > Non-disruptive, exterior installation (**SS Natural X**, **SS Blue X**)



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Optical and Solar Properties*	SS Natural 45i™		SS Natural 70i™		SS Natural 45X™		SS Natural 70X™		SS Blue 75X™	
	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double
Pane										
Visible Light Transmitted	44%	40%	66%	61%	47%	43%	67%	61%	76%	69%
Visible Light Reflected (Interior)	12%	14%	15%	18%	12%	19%	17%	23%	9%	17%
Visible Light Reflected (Exterior)	17%	23%	16%	21%	17%	19%	18%	22%	9%	15%
Ultraviolet	99%	99%	99%	99%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Glare Reduction	51%	50%	27%	25%	48%	47%	25%	24%	16%	15%
Solar Heat Gain Coeff. (G-Value)	0.41	0.51	0.48	0.56	0.50	0.55	0.19	0.15	0.34	0.28
Total Solar Energy Rejected	59%	49%	52%	44%	50%	45%	81%	85%	66%	72%
InfraRed Energy Reduction (IRER)	69%	69%	71%	71%	72%	72%	70%	70%	63%	63%
Selective InfraRed Reduction (SIRR)	86%	86%	87%	87%	86%	86%	83%	83%	88%	88%

*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. Performance calculations should only be used for estimating purposes.



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