

# 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)



### Product Properties

Optical and Solar Properties*	SP e-Lite 45 i		SP e-Lite 70 i		SP e-Lite 45 X		SP e-Lite 70 X		OptiLite 75 X	
Pane	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double
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 %	99 %
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	0,39	0,31	0,47	0,39	0,54	0,43
Total Solar Energy Rejected	59 %	49 %	52 %	44 %	61 %	69 %	53 %	61 %	46 %	57 %
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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