Reflective Solar Window Films

Bold, efficient and sustainable energy-saving films

Solar

The Avery Dennison® Reflective Solar Window Films portfolio offers a simple way to boost a building's sustainability, while adding a strong visual statement and enhancing comfort for building occupants. The materials allow for exterior application with no disruption - a popular choice for commercial applications.

Excellent and immediate improvements to comfort, daylight privacy and energy efficiency are made possible by rejecting excess solar radiation. **R Silver™** window films reduce the carbon footprint from cooling systems by minimizing heat buildup entering through windows. The result is cooler, pleasant building interiors and lower energy costs, with an impressive return on investment.

R Silver i™ interior window films enhance appearance and reject excess solar heat, with a competitive price point and a range of visible light transmission levels, for most glazing systems.

Durable **R Silver X™** exterior window films deliver excellent solar heat performance by rejecting radiation before it passes through the window - backed by a limited warranty* and available with several different visible light transmission levels, for most glazing systems. The complementary **R Silver X Poly™** exterior window film suits polycarbonate and other **rigid plastic substrates** (check with your installer for suitability).

Features and Benefits

- 99% UV block - limits fading and damage from the sun
- High level of heat rejection, reducing emissions and costs from building cooling
- Excellent solar heat and glare rejection, for enhanced comfort
- Works immediately - with great return on investment
- Bold appearance upgrades building exterior
- Maintains daytime privacy
- Elevated solar performance with exterior application **(R Silver X + R Silver X Poly)**
- Convenient, non-disruptive installation from outside **(R Silver X)**
- Option for most rigid plastic glazing systems **(R Silver X Poly)**

Optical and Solar Properties*	R Silver 20i™		R Silver 35i™		R Silver 50i™		R Silver 20X™		R Silver 35X™		R Silver 50X™		R Silver 20X Poly™	
Pane	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double
Visible Light Transmitted	18%	17%	33%	31%	51%	46%	17%	16%	33%	31%	48%	44%	16%	-
Visible Light Reflected (Interior)	62%	62%	41%	41%	23%	25%	62%	62%	42%	44%	28%	32%	63%	-
Visible Light Reflected (Exterior)	61%	61%	42%	44%	24%	29%	62%	62%	42%	43%	27%	29%	64%	-
Ultraviolet	99%	99%	99%	99%	97%	98%	99%	99%	99%	99%	99%	99%	99%	-
Glare Reduction	80%	79%	63%	62%	44%	43%	81%	80%	63%	62%	46%	45%	82%	-
Solar Heat Gain Coeff. (G-Value)	0.22	0.30	0.35	0.42	0.50	0.55	0.19	0.15	0.34	0.28	0.46	0.38	0.19	-
Total Solar Energy Rejected	78%	70%	65%	58%	50%	45%	81%	85%	66%	72%	54%	62%	81%	-

*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.