

Avery Dennison
Graphics Solutions
Product Overview

Asia Pacific - ANZ
June 2023

Reflective Exterior Films

Bold, durable and sustainable
energy saving films

Avery Dennison® sustainable, reflective range of exterior window films provides a strong visual statement that delivers excellent comfort and immediate energy efficiency for reduced cooling costs and carbon footprint.

Exterior reflective films provide daylight privacy and are compatible with most glazing systems. Exterior installation is conveniently non-disruptive and is especially suitable for commercial projects where maintaining ongoing business activities is important. All high performance XTRM window film products require installation by specially trained, certified XTRM window film installers.

Our sustainable, reflective exterior films are popular for commercial projects thanks to their exceptional appearance, impressive heat rejection, positive environmental impact and outstanding durability backed by a limited, extended warranty*.

R Silver X

R Silver X exterior window films are designed for attractive appearance and excellent solar heat rejection that reduce a building's environmental impact and cooling costs. This range of window films is compatible with glass window systems and is suitable for use in commercial projects.

R Silver X exterior window films are available in different VLT's.

R Silver XTRM

R Silver 20 XTRM reflective exterior window film is engineered using a robust, metallized polymeric-based film which delivers the exceptional heat rejection of a sustainable, exterior reflective film, with the durability you'd expect from an interior film. Tested under extreme weathering conditions in the field and lab, R Silver 20 XTRM is backed with a limited, lifetime warranty of up to 15 years* and is applicable on glass glazing window systems. XTRM window film products require installation by specially trained, certified XTRM window film installers.

R SkyLite XTRM

R Skylight 20 XTRM window film is specifically engineered to withstand demanding horizontal and sloped exterior roof applications. Based on a flexible and resilient metallized polymeric film, R Skylight 20 XTRM is a sustainable building solution designed to block harmful UV radiation and lower heat gain and glare by over 80%. This exterior reflective window film is applicable on glass glazing roof window systems and is backed by a limited, extended warranty of up to 10 years*. XTRM window film products require installation by specially trained, certified XTRM window film installers.

R Silver X Poly

R Silver 20X Poly exterior window film is the equivalent film to that of the R Silver X group and is engineered for installation on polycarbonate and other rigid plastic substrates. Check with your installer if this film is suitable for your window glazing system.

R SkyLite XTRM Poly

Similar to R SkyLite 20 XTRM exterior window film, R SkyLite 20 XTRM Poly is engineered for installation on polycarbonate and other rigid plastic substrates. XTRM window film products require installation by specially trained, certified XTRM window film installers.

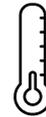


This image has been simulated and is not actual product comparison

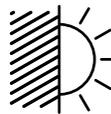
Features and Benefits



UV Block



Lower heat gain



Light control



Aesthetics

All R Silver X Exterior Window Film Products provide:

- 99+% UV block limits fading and damage from the sun
- Excellent level of heat rejection reduces carbon footprint and costs associated with building cooling
- Outstanding solar heat and glare rejection for enhanced sustainability and comfort
- Works immediately - no waiting to enjoy return on investment
- Bold appearance upgrades building exterior and maintains daytime privacy

R Silver X Poly Exterior Window Film also provides:

- Installation on most plastic window systems

R Silver XTRM Exterior Window Film also provides:

- Up to 15 years limited, lifetime warranty* due to outstanding durability

R SkyLite XTRM Exterior Window Film also provides:

- Limited, extended warranty of up to 10 years*

R SkyLite XTRM Poly Exterior Window Film also provides:

- Up to 10 years limited, lifetime warranty* due to outstanding durability
- Installation on most plastic window systems

Optical and Solar Properties¹

Item Number	R Silver 20X		R Silver 35X		R Silver 20 XTRM		R SkyLite 20 XTRM		R Silver 20X Poly	R SkyLite 20 XTRM Poly
	R07022X	R07035X	R12219X	R178X15	R0705XP	R178X5P				
Pane	Single	Double	Single	Double	Single	Double	Single	Double	Single	Single
Visible Light Transmitted	17%	16%	33%	31%	15%	14%	15%	14%	16%	15%
Visible Light Reflected (Interior)	62%	62%	42%	44%	63%	65%	63%	65%	63%	63%
Visible Light Reflected (Exterior)	62%	62%	42%	43%	63%	65%	66%	66%	64%	66%
Ultra Violet Block	99%	99%	99%	99%	99.9%	99.9%	99.9%	99.9%	99%	99.9%
Total Solar Energy Reflected	63%	64%	45%	46%	64%	66%	64%	66%	65%	64%
Total Solar Energy Transmitted	12%	11%	25%	22%	11%	10%	10%	10%	12%	10%
Total Solar Energy Absorbed	25%	25%	30%	32%	25%	24%	26%	24%	23%	26%
Emissivity (Room Side)	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Glare Reduction	81%	80%	63%	62%	84%	83%	84%	83%	82%	84%
Selective InfraRed Reduction (SIRR) ²	91%	91%	80%	80%	91%	91%	92%	92%	90%	92%
InfraRed Energy Rejection (IRER) ³	84%	84%	71%	71%	84%	84%	85%	85%	84%	85%
Shading Coefficient	0.22	0.18	0.39	0.32	0.20	0.16	0.20	0.16	0.22	0.20
Solar Heat Gain Coeff. (G-Value)	0.19	0.15	0.34	0.28	0.17	0.14	0.17	0.14	0.19	0.17
U-Value Winter (IP)	1.04	0.48	1.04	0.48	1.04	0.48	1.03	0.48	1.04	1.03
U-Value Winter (SI)	5.91	2.73	5.91	2.73	5.91	2.73	5.85	2.71	5.91	5.85
Luminous Efficacy	0.75	0.91	0.84	0.96	0.75	0.88	0.72	0.89	0.75	0.72
Total Solar Energy Rejected (TSER)	81%	85%	66%	72%	83%	86%	83%	86%	81%	83%

Correct installation procedures are vital for maximum longevity. We offer complete, professional training for certification of window film experts qualified to install XTRM exterior films. Products are available exclusively to Avery Dennison XTRM certified installers.

XTRM films require edge sealing

*See warranty for complete details: graphicsap.averydennison.com/en/home/graphics-products/architectural-films.html

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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