



# Reflective Exterior Films

Bold, durable, high energy saving films



Solar

Avery Dennison's reflective range of exterior window films provides a strong visual statement that delivers excellent comfort and immediate energy efficiency for reduced cooling costs. 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 XTRM window film products require installation by specially trained, certified XTRM window film installers.

**Avery Dennison's Reflective exterior films are popular for commercial projects thanks to their exceptional appearance, impressive heat rejection, and outstanding durability backed by a limited extended warranty.**

## R Silver X PS

**R Silver X** exterior window films are designed for attractive appearance and excellent solar heat rejection. This range of window films is compatible with glass window systems and is particularly popular for use in commercial projects. **R Silver X** exterior window films are available in different VLT's.

## R Silver X Poly PS

Avery Dennison's **R Silver 20X Poly** exterior window film performs similarly to 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.

This image has been simulated and is not actual product comparison



R Silver 20X

R Silver 35X

R Silver 20X Poly

R Silver 20 XTRM

R SkyLite 20 XTRM

R SkyLite 20 XTRM Poly

## R Silver XTRM PS

**R Silver 20 XTRM** reflective exterior window film is engineered using a robust, metallized polymeric-based film which delivers the exceptional heat rejection of an 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 PS

Avery Dennison's **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 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 SkyLite XTRM Poly PS

Similar to Avery Dennison's **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.



Graphics Solutions



UV Block



Lower heat gain



Light control



Aesthetics

## Features and Benefits

All **R Silver X** Exterior Window Film Products provide:

- > 99+% UV block limits fading and damage from the sun
- > Excellent level of heat rejection saves costs associated with building cooling
- > Outstanding solar heat and glare rejection for enhanced 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:

- > Up to 10 years limited, lifetime warranty due to outstanding durability

**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 Properties**	R Silver 20X		R Silver 35X		R Silver 20X Poly
Item Number	R07022X		R07035X		R0705XP
Pane	Single	Double	Single	Double	Single
Visible Light Transmitted	17%	16%	33%	31%	16%
Visible Light Reflected (Interior)	62%	62%	42%	44%	63%
Visible Light Reflected (Exterior)	62%	62%	42%	43%	64%
Ultra Violet Block	99%	99%	99%	99%	99%
Total Solar Energy Reflected	63%	64%	45%	46%	65%
Total Solar Energy Transmitted	12%	11%	25%	22%	12%
Total Solar Energy Absorbed	25%	25%	30%	32%	23%
Emissivity (Room Side)	0.84	0.84	0.84	0.84	0.84
Glare Reduction	81%	80%	63%	62%	82%
Selective InfraRed Reduction (SIRR)	91%	91%	80%	80%	90%
InfraRed Energy Rejection (IRER)	84%	84%	71%	71%	84%
Shading Coefficient	0.22	0.18	0.39	0.32	0.22
Solar Heat Gain Coeff. (G-Value)	0.19	0.15	0.34	0.28	0.19
U-Value Winter (IP)	1.04	0.48	1.04	0.48	1.04
U-Value Winter (SI)	5.91	2.73	5.91	2.73	5.91
Luminous Efficacy	0.75	0.91	0.84	0.96	0.75
Total Solar Energy Rejected (%)	81%	85%	66%	72%	81%

Optical and Solar Properties**	R Silver 20 XTRM		R SkyLite 20 XTRM		R SkyLite 20 XTRM Poly
Item Number	R12219X		R157X15		R157X5P
Pane	Single	Double	Single	Double	Single
Visible Light Transmitted	15%	14%	15%	14%	15%
Visible Light Reflected (Interior)	63%	65%	63%	65%	63%
Visible Light Reflected (Exterior)	63%	65%	66%	66%	66%
Ultra Violet Block	99.9%	99.9%	99.9%	99.9%	99.9%
Total Solar Energy Reflected	64%	66%	64%	66%	64%
Total Solar Energy Transmitted	11%	10%	10%	10%	10%
Total Solar Energy Absorbed	25%	24%	26%	24%	26%
Emissivity (Room Side)	0.84	0.84	0.84	0.84	0.84
Glare Reduction	84%	83%	84%	83%	84%
Selective InfraRed Reduction (SIRR)	91%	91%	92%	92%	92%
InfraRed Energy Rejection (IRER)	84%	84%	85%	85%	85%
Shading Coefficient	0.20	0.16	0.20	0.16	0.20
Solar Heat Gain Coeff. (G-Value)	0.17	0.14	0.17	0.14	0.17
U-Value Winter (IP)	1.04	0.48	1.03	0.48	1.03
U-Value Winter (SI)	5.91	2.73	5.85	2.71	5.85
Luminous Efficacy	0.75	0.88	0.72	0.89	0.72
Total Solar Energy Rejected (%)	83%	86%	83%	86%	83%

\*\* 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](http://www.averydennison.com)



Graphics Solutions

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