

R Silver 20 XTRM™ Exterior Window Films

Reflective, long-life and sustainable solar control



R Silver 20 XTRM sustainable solar control window film by Avery Dennison® is part of the XTRM™ line of long life window film solutions. Developed specifically for commercial projects for external application on vertical architectural glass, R Silver 20 XTRM is suitable for high-end glazing systems, enhancing the performance of even the most sophisticated glass units.

R Silver 20 XTRM



Engineered using a robust, metallized polymeric-based film, **R Silver 20 XTRM** reflective film delivers exceptional heat rejection for comfort and reduced carbon footprint.

The film's long service life is thanks to the scratch resistant coating and engineered durable polymeric system, that allows the product to perform year after year.

R Silver 20 XTRM film includes a limited warranty up to 15 years*, ideal for energy efficiency projects where customers are looking for long term service life.



Before

After

Features & Benefits

- > Outstanding sustainable building solution that reduces the need for air conditioning and improves carbon footprint
- > Improves the exterior look of a building
- > Suitable for installation on almost all glazing systems
- > Excellent heat and glare that reduces a building's impact on the environment
- > Longevity up to 15 year limited warranty*
- > Exceptional UV protection: 99.9%

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



Graphics
Solutions



UV Block



Lower
heat gain



Light
control



Aesthetics

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

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

**Performance results are calculated on 1/8" 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.

***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).

****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).

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Avery Dennison Corporation (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. The company's products, which are used in nearly every major industry, include pressure-sensitive materials for labels and graphic applications; tapes and other bonding solutions for industrial, medical and retail applications; tags, labels and embellishments for apparel; and radio-frequency identification (RFID) solutions serving retail apparel and other markets. Headquartered in Glendale, California, the company employs approximately 30,000 employees in more than 50 countries. Reported sales in 2018 were \$7.2 billion. Learn more at www.averydennison.com.



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