



DR Grey XTRM™ Exterior Window Films

Dual reflective, long-life sustainable solar control



Solar

Avery Dennison® DR Grey XTRM dual reflective, sustainable, solar control window films are composed of a reflective exterior layer for daytime privacy and a neutral interior layer for clear views to the outside and a pleasant interior ambiance. This product delivers excellent heat rejection and energy efficiency due to its advanced nanotechnology which reduces energy output and carbon footprint.

DR Grey XTRM



Our **DR Grey XTRM** films in 10, 20 and 35 VLT shades were developed for external application on vertical architectural glass in commercial, residential and public sector projects. **DR Grey XTRM** films are compatible with high-end glazing systems, enhancing the performance of even the most sophisticated glass units and upgrading building appearance.

Engineered using a robust, metallized polymeric-based film combined with nanotechnology, **DR Grey XTRM** dual reflective films deliver the exceptional heat rejection of exterior reflective films, with a prolonged lifetime due to the resilient, scratch resistant hard coat and specially designed pressure sensitive adhesive.

Avery Dennison backs **DR Grey XTRM** films with a limited warranty*.



Features & Benefits

- > Outstanding sustainable building solution that reduces the need for cooling and lowers environmental impact
- > Improves the exterior look of a building
- > Suitable for installation on almost all glazing systems
- > Excellent heat and glare rejection
- > Increased longevity due to XTRM technology combined with nanotechnology.
- > Impressive 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**	DR Grey 10 XTRM™		DR Grey 20 XTRM™		DR Grey 35 XTRM™	
Item Number	R122W0X		R122W6X		R122W5X	
Pane	Single	Double	Single	Double	Single	Double
Visible Light Transmitted	7%	7%	20%	18%	36%	32%
Visible Light Reflected (Interior)	20%	26%	17%	23%	14%	21%
Visible Light Reflected (Exterior)	66%	66%	40%	41%	22%	23%
Ultra Violet Block	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Total Solar Energy Reflected	66%	66%	44%	44%	25%	27%
Total Solar Energy Transmitted	7%	6%	17%	15%	31%	26%
Total Solar Energy Absorbed	27%	28%	39%	41%	44%	47%
Emissivity (Room Side)	0.84	0.84	0.84	0.84	0.84	0.84
Glare Reduction	92%	92%	78%	78%	61%	61%
Selective InfraRed Reduction (SIRR)***	94%	94%	83%	83%	70%	70%
InfraRed Energy Reduction (IRER)****	87%	87%	73%	73%	58%	58%
Shading Coefficient	0.17	0.12	0.33	0.25	0.50	0.40
Solar Heat Gain Coeff. (G-Value)	0.15	0.10	0.29	0.22	0.43	0.35
U-Value Winter (IP)	1.04	0.48	1.04	0.48	1.04	0.48
U-Value Winter (SI)	5.91	2.73	5.91	2.73	5.91	2.73
Luminous Efficacy	0.41	0.58	0.60	0.72	0.70	0.80
Total Solar Energy Rejected (%)	85%	90%	71%	78%	57%	65%

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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About Avery Dennison

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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