

Dual Reflective Solar Window Films

Sustainable cooling performance - with style



Avery Dennison® Dual Reflective Solar Window Film lines are engineered with nano technology for long lasting colour stability and exceptional solar protection. These sustainability-enhancing materials use a stylish reflective outer dual reflective layer that reduces the glare and solar heat entering a room, combined with a less reflective inner layer that allows views to the outside. The result is improved indoor comfort, better daytime privacy, and a lower carbon footprint from building cooling equipment.

The materials suit both interior application (**DR Grey i™**) and exterior application (**DR Grey X™**), and all options in the range deliver excellent levels of solar rejection. Dual reflective window films are an excellent choice for commercial or residential retrofit glazing projects where it is important to increase comfort, conserve resources and maintain a neutral view to the outside for building occupants.

DR Grey i films are designed for interior installation on most glazing systems, with great solar performance and day time privacy. Available with two levels of visible light transmission.

DR Grey X films reduce glare by up to 91% and combine daytime privacy with excellent interior visibility, day and night. They enable non-disruptive installation from the exterior side of the window, and are available with a variety of visible light transmission options.

Features and Benefits

- > 99% UV block, limiting fading and damage from the sun
- > Excellent heat rejection, saving cooling energy costs and associated emissions
- > Outstanding glare control for enhanced comfort
- > Warm, neutral, low-reflective interior layer that preserves ambience and views
- > Maintains daytime privacy
- > Bold appearance upgrades building exterior
- > Uses advanced nanotechnology for improved performance and colour stability
- > Non-disruptive and convenient exterior installation (**DR Grey X**)

Optical and Solar Properties*	DR Grey 05i™		DR Grey 15i™		DR Grey 10X™		DR Grey 20X™		DR Grey 35X™		DR Grey 50X™	
	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double
Pane												
Visible Light Transmitted	7%	7%	12%	11%	8%	7%	19%	18%	36%	32%	53%	48%
Visible Light Reflected (Interior)	18%	18%	25%	26%	17%	23%	14%	21%	14%	21%	19%	25%
Visible Light Reflected (Exterior)	59%	60%	56%	57%	55%	55%	34%	35%	22%	23%	18%	21%
Ultra Violet Block	99%	99%	99%	99%	97%	98%	99%	99%	99%	99%	99%	99%
Glare Reduction	92%	91%	87%	87%	91%	91%	79%	78%	61%	61%	41%	41%
Solar Heat Gain Coeff. (G-Value)	0.18	0.29	0.20	0.30	0.17	0.12	0.31	0.23	0.43	0.35	0.51	0.42
Total Solar Energy Rejected (%)	82%	71%	80%	70%	83%	88%	69%	77%	57%	65%	49%	58%

*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.



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