

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)



Product Properties

Optical and Solar Properties*	DR Optitune 20 i		DR Optitune 30 i		DR Grey 05 i		DR Grey 15 i		DR Grey 10 X		DR Grey 20 X		DR Grey 35 X		DR Grey 50 X	
	Double	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double
Visible Light Transmitted	19 %	30 %	7 %	7 %	12 %	11 %	8 %	7 %	19 %	18 %	36 %	32 %	53 %	48 %		
Visible Light Reflected (Interior)	15 %	27 %	18 %	18 %	25 %	26 %	17 %	23 %	14 %	21 %	14 %	21 %	19 %	25 %		
Visible Light Reflected (Exterior)	35 %	36 %	59 %	60 %	56 %	57 %	55 %	55 %	34 %	35 %	22 %	23 %	18 %	21 %		
Ultra Violet Block	99 %	99 %	99 %	99 %	99 %	99 %	97 %	98 %	99 %	99 %	99 %	99 %	99 %	99 %		
Glare Reduction	76 %	63 %	92 %	91 %	87 %	87 %	91 %	91 %	79 %	78 %	61 %	61 %	41 %	41 %		
Solar Heat Gain Coeff. (G-Value)	0,44	0,46	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	67 %	63 %	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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