

PRODUCT DATA SHEET

Avery Dennison® Interior Dual Reflective Solar Films

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Introduction

The Avery Dennison® DR Grey product line, combines a reflective outer layer for high solar energy rejection with a less reflective inner layer to preserve the view outside and maintain indoor ambiance. All films deliver high levels of protection from solar heat. They cut energy costs by reducing the need for air conditioning and boosting energy efficiency.

Conversion

For conversion information please review the Technical Bulletin "Avery Dennison® Solar Window Films Interior".

Recommendations

DR Grey films are ideal for commercial and residential energy-upgrade glazing projects when the customer demands quick payback but wants a neutral interior that preserves the view outside.

Features

- » UV Block: Protects skin and inhibits fading
- » Lower heat gain: Improves comfort and saves energy
- » Light control: Improves comfort and reduces glare
- » Aesthetics: Upgrades appearance and ensures daytime privacy

Fire Certification: B-s1, d0 (DIN EN 13501-1)

¹⁾Warranted Durability

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased. With regard to Avery Dennison Architectural Window Film Products, the durability shall not differ between the climatic zones, but the same durability shall apply to all climatic zones.



Face Film

DR Grey 05 i; DR Grey 15 i; Vacuum metal deposition + Nanotechnology PET; Color in: neutral black-grey; out: silver reflective



Adhesive

Pressure sensitive Permanent – Solvent based acrylic



Backing

PET



Durability

12 years¹⁾



Shelf Life

2 years stored in original packaging at 20 °C (± 2 °C) with 50 %RH (± 5%).

Physical Characteristics

Optical & Solar Properties:

	DR Grey 05 i		DR Grey 15 i	
	Single Pane	Double Pane	Single Pane	Double Pane
Visible Light Transmitted %	7	7	12	11
Visible Light Reflected (Int) %	18	18	25	26
Visible Light Reflected (Ext) %	59	60	56	57
U V Block %	99	99	99	99
Total Solar Energy Reflected %	53	48	51	46
Total Solar Energy Transmitted %	7	6	9	9
Total Solar Energy Absorbed %	40	46	39	45
Shading Coefficient	0,21	0,34	0,23	0,35
Total Solar Energy Rejected %	82	71	80	70
Solar Heat Gain Coefficient	0,18	0,29	0,20	0,30
Emissivity (Room side)	0,78	0,78	0,78	0,78
U-Value Winter	1,01	0,47	1,01	0,47
K-Value Winter	5,73	2,68	5,73	2,68
Glare Reduction %	92	91	87	87
Luminous Efficacy	0,33	0,22	0,51	0,31

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

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