

PRODUCT DATA SHEET

Avery Dennison® Exterior Dual Reflective Solar Films XTRM™

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Introduction

Avery Dennison® DR Grey XTRM™ films combine a high performance, high privacy exterior with a low reflective interior appearance. The films' exceptional durability ensures long-term energy efficient performance. This ensures maximum heat rejection, energy efficiency and privacy, with the advantage of clear views out day and night, and pleasant indoor ambiance.

Conversion

This products are available for certified installers only.

Recommendations

Avery Dennison® DR Grey XTRM films were developed for external use on vertical architectural glass in commercial, residential and public sector. They are developed to tackle commercial projects, where a long-term service period is critical to payback.

Features

- » Warranted Durability: Increased lifetime for the best long-term service period
- » Energy Efficient: Exceptional energy saving, reducing need for air-conditioning
- » Dual Reflective: Transforms and unifies building's exterior and pleasant interior ambiance
- » Rejection: Excellent heat and glare rejection

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

Vacuum metal deposition + Nanotechnology XTRM™ technology based on durable polymers. DR Grey 20 XTRM™



Adhesive

Pressure sensitive Permanent – Solvent based acrylic



Backing

PET



Durability

vertical 8 years (up to 10 years after technical approval); horizontal/sloped 4 years¹⁾



Shelf Life

When stored in original packaging upon arrival at the customer: 2 years. Recommended Storage conditions are 20 °C (± 2 °C) with 50 %RH (± 5%).

Physical Characteristics

Optical & Solar Properties:

	DR Grey 20 XTRM™	
	Single Pane	Double Pane
Visible Light Transmitted %	20	18
Visible Light Reflected (Int) %	17	23
Visible Light Reflected (Ext) %	40	41
U V Block %	99,9	99,9
Total Solar Energy Reflected %	44	44
Total Solar Energy Transmitted %	17	15
Total Solar Energy Absorbed %	39	41
Emissivity (Room side)	0,84	0,84
Glare Reduction %	78	78
Shading Coefficient	0,33	0,25
Solar Heat Gain Coefficient	0,29	0,22
U-Value Winter	1,04	0,48
K-Value Winter	5,91	2,73
Luminous Efficacy	0,60	0,72
Total Solar Energy Rejected %	71	78

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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