

Avery Dennison® Clima Fusion DR Architectural Window Film

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Introduction

The Avery Dennison® Clima Fusion range of dual reflective series interior films with Nano technology for long lasting colour stability and exceptional solar protection. This DR films reduces glare and solar heat from entering into the room and thus maintains indoor comfort; with both side light reflection that preserves view to the outside.



Face Film
2 Ply Laminate Polyester
Structure Charcoal Series
- mud colour



Adhesive
Pressure sensitive Permanent –
Solvent based acrylic



Backing
PET



Durability
Vertical Exposure: 6 years¹



Shelf Life
2 years from the date of manufacturing.
Recommended Storage conditions are 25 °C
(±10 °C) with 50 %RH (± 5%).

Recommendations

The Avery Dennison® Clima Fusion DR Film Series is designed for interior applications. Nanotechnology is used to filter undesired infrared radiation while allowing visible light to pass through and maintaining colour stability.

Features

- Outstanding glare control for enhance comfort
- Excellent Level of heat rejection for enhanced comfort and reduced cooling cost
- >99% UV Block reduces fading and damage from the sun

Conversion

For conversion information please review the Technical Bulletin “AD Solar Window Films Interior”.

1) Expected Durability

The durability is based on Asia Pacific exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facingsouth; in areas of high temperature exposure such as southern part countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.

Physical Characteristics

Optical & Solar Properties

	DR 0595i	DR 1590i	DR 2580i	DR 3565i
Visible Light Transmitted %	06%	14%	27%	34%
Visible Light Reflected (Int) %	44%	25%	17%	13%
Visible Light Reflected (Ext) %	74%	54%	31%	21%
UV Block %	>99%	>99%	>99%	>99%
Solar Energy Reflected %	63%	48%	27%	20%
Solar Energy Transmitted %	6%	11%	20%	30%
Solar Energy Absorbed %	31%	42%	53%	50%
Shading Coefficient	0.15	0.25	0.39	0.52
Total Solar Energy Rejected %	86%	77%	65%	55%
Solar Heat Gain Coefficient	0.14	0.24	0.41	0.45
Emissivity (Room side)	0.68	0.72	0.78	0.82
U-Value Winter	5.5	5.6	5.7	5.7
Glare Reduction %	5.85	5.85	5.85	5.85
Luminous Efficacy	0.39	0.48	0.66	0.65
IRR (780~2500nm)	95%	90%	83%	65%

Note: Data is based on film applied to 6mm clear glass

Important

Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. 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 any material for their specific use.

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