

Avery Dennison® Clima Ceramic Architectural Window Film

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Introduction

The Avery Dennison® Clima Ceramic range of spectrally selective interior films with Nano technology deliver excellent levels of heat rejection, whilst preserving the natural appearance of both the glass and building exterior. The films' neutral color features low visible reflection inside and out but still delivers an effective energy saving upgrade.



Face Film
2 Ply Laminated Polyester
Structure



Adhesive
Pressure sensitive Permanent –
Solvent based acrylic



Backing
PET



Durability
Vertical Exposure: 8 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 Ceramic 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

- High visible light transmission that is barely discernible on glass; high levels of natural daylight
- High heat rejection for enhanced comfort and reduced cooling cost
- Low reflectivity preserves view night and day
- >99% UV Block cuts fading and sun damage

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 facing south; 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

	CC 1590i	CC 3090i	CC 5075i	CC 5095i	CC 7090i	CC 8075i
Visible Light Transmitted %	15%	32%	57%	51%	70%	78%
Visible Light Reflected (Int) %	6%	6%	8%	7%	9%	9%
Visible Light Reflected (Ext) %	5%	6%	8%	9%	8%	8%
UV Block %	>99%	>99%	>99%	>99%	>99%	>99%
Solar Energy Reflected %	5%	6%	7%	9%	7%	7%
Solar Energy Transmitted %	11%	20%	38%	30%	37%	53%
Solar Energy Absorbed %	82%	74%	55%	61%	55%	40%
Shading Coefficient	0.41	0.45	0.61	0.55	0.59	0.73
Total Solar Energy Rejected %	63%	60%	46%	50%	48%	34%
Solar Heat Gain Coefficient	0.37	0.4	0.54	0.49	0.52	0.65
Emissivity (Room side)	0.87	0.86	0.86	0.86	0.86	0.85
U-Value Winter	6	6	6	6	6	6
Glare Reduction %	71%	53%	33%	42%	20%	12%
Luminous Efficacy	0.29	0.59	0.95	1.03	1.14	1.08
IRR (780~2500nm)	93%	93%	78%	90%	90%	73%

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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