

PRODUCT DATA SHEET

Avery Dennison® Exterior Spectrally Selective Solar Film XTRM

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Introduction

Avery Dennison® XTRM™ series offers an exceptional durability ensuring long-term energy efficient performance. Avery Dennison® SS Natural 70 XTRM™ window film effectively reduces solar heat gain while retaining high level of daylight and preserving the natural appearance of the glass.

Conversion

For conversion information please review the Technical Bulletin “Avery Dennison® XTRM™ Film Series Installation Guide”.

Recommendations

Avery Dennison® SS Natural 70 XTRM™ film is developed to tackle projects, where a long-term service period is required. This film offers an excellent heat rejection upgrade, preserving the natural appearance of a building's interior and exterior, and is often used for historical buildings.

Features

- » Warranted durability: Increased lifetime for the best long-term service period
- » 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
- » Warranted durability: Increased lifetime for the best long-term service period
- » 99.99% UV Block cuts fading and sun damage

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

Exterior durable SR hard coat sputtered optical filter + Nanotechnology

SS Natural 70 XTRM



Adhesive

Pressure sensitive **Permanent** – Solvent based acrylic



Backing

PET



Durability

12 years vertical (6 years horizontal/sloped)¹⁾



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

	SS Natural 70 XTRM	
	Single Pane	Double Pane
Visible Light Transmitted %	66	60
Visible Light Reflected (Int) %	16	22
Visible Light Reflected (Ext) %	17	21
U V Block %	99,9	99,9
Total Solar Energy Reflected %	29	31
Total Solar Energy Transmitted %	35	31
Total Solar Energy Absorbed %	36	38
Shading Coefficient	0,53	0,44
Total Solar Energy Rejected %	54	62
Solar Heat Gain Coefficient	0,46	0,38
Emissivity (Room side)	0,84	0,84
U-Value Winter	1,24	1,36
K-Value Winter	5,91	2,73
Glare Reduction %	26	33
Luminous Efficacy	1,24	1,36
SIRR %	84	84
IRER %	69	69

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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