



# Specialty Window Films

Transforming and protecting interior spaces

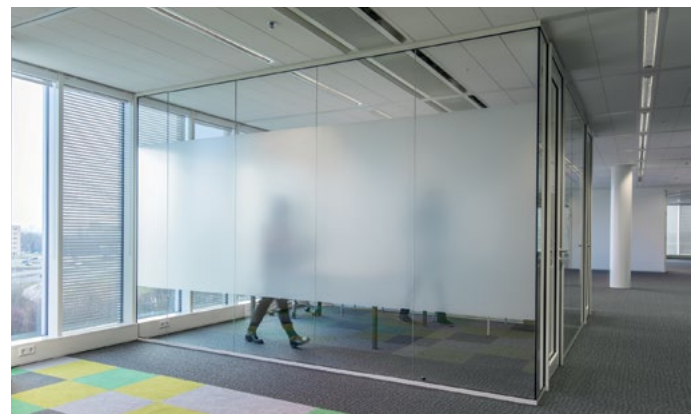


Avery Dennison® Specialty Window Films for interior installation are an attractive and proven way to enhance the functionality and aesthetics of glass. Engineered to provide UV protection and privacy, the films offer tremendous creative flexibility. They can be used to delineate space, disguise unattractive features, resist UV damage, or to add graphic impact to virtually any area.

The translucent sandblasted effect of 2 mil **DS Matte i™** film adds privacy and elegance to doors, windows and room dividers in offices or commercial projects.

**DS UV Filter i™** film achieves almost complete transparency, virtually undetectable to the eye, and also delivers 100% UV protection for comfortable and protected interior spaces. A great solution for museums and other users needing 100% UV block.

This image has been simulated and is not actual product comparison



DS Matte  
2 mil i™

DS UV Filter i™



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# Features and Benefits

## DS Matte i film



- > Adds graphic interest - allowing new aesthetics
- > Makes glass visible in an interior space
- > Creates privacy within building spaces
- > Camouflages unattractive features
- > Delivers a soft, diffused light
- > A cost-effective alternative to sandblasting

## DS UV Filter i film



- > High visible light transmission: barely discernible on glass
- > Low reflectivity that preserves views, day and night
- > 100% UV block, reducing fading and damage from the sun
- > A natural appearance to maintain the building's original facade

Optical and Solar Properties*	DS Matte i™		DS UV Filter i	
	Single	Double	Single	Double
Visible Light Transmitted	72%	66%	87%	79%
Visible Light Reflected (Exterior)	17%	23%	11%	18%
Ultra Violet Block	94%	95%	100%	100%

\*Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards. Performance calculations should only be used for estimating purposes.

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# PRODUCT DATA SHEET

## Avery Dennison® Interior Specialty Window Films

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### Introduction

Avery Dennison® Specialty Window Films are ideal for enhancing the functionality and appearance of glass. Whether to provide privacy, delineate space, disguise unattractive features, or provide graphic impact. Graphic accents, company logos and icons can all be created easily.

### Conversion

For conversion information please review the Technical Bulletin “Avery Dennison® Solar Window Film Interior”.

### Recommendations

Avery Dennison® DS Matte film has a translucent sandblasted appearance, ensuring both privacy enhancements and a design upgrade, whilst the Avery Dennison® DS UV filter option provides 100% UV block. Typically used in museums.

### Features

- » Avery Dennison® DS Matte i, gives a translucent sandblasted effect, adding privacy or designer elegance to doors, windows and room dividers.
- » Avery Dennison® DS UV Filter i, blocks 100% UV radiation while providing a neutral appearance

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

<sup>1)</sup> 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

DS Matte i; DS UV Filter i; Sputtered optical filter + Nanotechnology



#### Adhesive

Pressure sensitive Permanent – Solvent based acrylic



#### Backing

PET



#### Durability

12 years<sup>1)</sup>



#### 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:

	DS Matte i		DS UV Filter i	
	Single Pane	Double Pane	Single Pane	Double Pane
Visible Light Transmitted %	72	66	87	79
Visible Light Reflected (Int) %	0	0	0	0
Visible Light Reflected (Ext) %	17	23	11	18
U V Block %	94	95	100	100
Total Solar Energy Reflected %	14	18	9	15
Total Solar Energy Transmitted %	68	58	79	67
Total Solar Energy Absorbed %	18	24	12	18
Shading Coefficient	0,84	0,79	0,95	0,86
Total Solar Energy Rejected %	27	31	18	26
Solar Heat Gain Coefficient	0,73	0,69	0,82	0,74
Emissivity (Room side)	0,90	0,90	0,86	0,86
U-Value Winter	1,07	0,49	1,05	0,48
K-Value Winter	6,08	2,78	5,96	2,75
Glare Reduction %	20	19	3	3
Luminous Efficacy	0,86	0,83	0,92	0,93

### Important

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