



# LOW EMISSIVITY SERIES

Solar Control Films



Eye-comforting glare reduction

Durable scratch-resistant coating for easy cleaning

Helps reduce heat loss

Solar heat reduction helps lower energy costs

Helps reduce fading of fabrics, furnishings, and valuables<sup>2</sup>

**5**  
Year Limited Warranty<sup>1</sup>

## CONSERVE ENERGY YEAR-ROUND WITH LOW-E WINDOW FILM FOR COMMERCIAL AND RESIDENTIAL BUILDINGS

Glass is a major component in commercial buildings, accountable for significant energy consumption in both summer and winter. Fortunately, there's a budget-friendly solution to this problem: low-e window film. When you retrofit existing windows with this innovative film, you can effectively reduce energy use, lower energy costs, and improve year-round comfort.

With a much lower cost than window replacement, low-e film is an intelligent investment for commercial properties in all climates. It provides powerful solar control that helps to maintain stable indoor temperatures, reduces glare, and blocks more than 99% of the UV rays that contribute to the fading of artwork and furnishings. Expect to spend less and get a fast return on low-e film, simultaneously helping to reduce tenant complaints and operating expenses.

### BENEFITS AND SELECTION CRITERIA

- Shields >99% of UV radiation<sup>3</sup>
- Reduces hot spots helping to reduce HVAC use and lower energy costs
- Interior installation

### RECOMMENDED APPLICATIONS

- Public buildings
- Residential buildings
- Schools and universities
- Commercial offices
- Health care facilities
- Hotels

## PERFORMANCE DATA

	Solar Energy Transmission	Solar Energy Reflection - Exterior	Solar Energy Absorption	Visible Light Transmission	Visible Light Reflection - Exterior	Visible Light Reflection - Interior	UV Transmission (wavelengths 300-380nm)	Shading Coefficient	Emissivity	U-Value (EN 673 W/m <sup>2</sup> K)	Glare Reduction	Coefficient of Total Energy Transmission (g-value)	Total Solar Energy Reflected	Colour Rendering
VE 35 (Single Pane)	20%	41%	39%	28%	36%	38%	<1%	0.31	0.32	4.19	69%	0.27	73%	92%
VE 35 (Double Pane)	19%	39%	42%	26%	38%	39%	<1%	0.44	0.32	2.30	68%	0.38	62%	92%
VE 50 (Single Pane)	38%	29%	33%	51%	22%	24%	<1%	0.51	0.40	4.46	43%	0.44	56%	95%
VE 50 (Double Pane)	34%	29%	37%	47%	26%	26%	<1%	0.59	0.40	2.38	42%	0.52	48%	94%

The properties reported for LLumar architectural window films were calculated using EN410 methodology for film applied to single pane (4mm clear glass) and dual pane glazing (4mm clear glass panes, 16mm air space). Reported values were calculated from representative product samples. Actual performance may vary based on a number of factors, including glass properties, and standard manufacturing variances.



## EASTMAN

<sup>1</sup>Certain restrictions apply; see an authorised dealer for warranty details. <sup>2</sup>Films do not eliminate fading; they help reduce it. UV rays and heat are contributing factors to fading, but other factors exist. <sup>3</sup>300-380nm. ©2024 Eastman Performance Films, LLC. All rights reserved. No liability is accepted for errors. Visual renderings are for illustrative purposes only; actual appearance of windows treated with film may vary. 04/24