



HELIOS SERIES

Solar Control Films



Helps increase comfort and productivity

Durable scratch-resistant coating for easy cleaning

Helps provide energy savings

Helps keep buildings cooler

Helps protect tenants and furnishings from harmful UV rays

10|7|5
Year Limited
Warranty¹

EXTERIOR WINDOW FILM STANDS UP TO EXTREME SUN, WIND AND RAIN

Helios exterior window film is effective sun control made to withstand the elements for many years. It's ideal for difficult-to-access spandrel and interior glass including atriums, skylights, and conservatory roofs. It provides building owners with an installation alternative for areas that require security clearance or certification for contractor entry.

In addition to solving retrofitting challenges, Helios exterior window film is also a high-performance solar film. It delivers impressive heat rejection for comfort, money-saving assistance for overworked HVAC systems, and eye-easing glare control.

BENEFITS AND SELECTION CRITERIA

- Shields >99% of UV radiation²
- Reduces hot spots helping to reduce HVAC use and lower energy costs
- Exterior installation

RECOMMENDED APPLICATIONS

- Retail Stores
- Schools and Universities
- Office Buildings
- Hotels
- Mass Transit Systems
- Homes
- Airports
- Health care facilities
- Restaurants
- Museums
- Government Facilities

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 ² K)	Glare Reduction	Coefficient of Total Energy Transmission (g-value)	Total Solar Energy Rejected	Colour Rendering
NHE BR 20 (Single Pane)	13%	52%	35%	20%	37%	34%	<1%	0.24	0.73	5.70	78%	0.21	79%	93%
NHE BR 20 (Double Pane)	12%	52%	36%	19%	37%	37%	<1%	0.19	0.73	2.70	77%	0.16	84%	93%
NHE BR 35 (Single Pane)	17%	50%	33%	27%	32%	27%	<1%	0.31	N/A	N/A	N/A	0.27	49%	N/A
NHE BR 35 (Double Pane)	14%	51%	36%	24%	32%	30%	<1%	0.24	N/A	N/A	N/A	0.20	44%	N/A
XHE 70 (Single Pane)	37%	32%	31%	68%	9%	9%	<1%	0.51	0.79	5.65	24%	0.44	56%	96%
XHE 70 (Double Pane)	33%	34%	33%	62%	13%	15%	<1%	0.43	0.79	2.70	24%	0.37	63%	95%
RHE 20 (Single Pane)	12%	60%	28%	16%	62%	60%	<1%	0.21	0.74	5.70	83%	0.19	81%	85%
RHE 20 (Double Pane)	11%	60%	29%	15%	62%	59%	<1%	0.17	0.74	2.69	82%	0.15	85%	85%
RHE 35 (Single Pane)	22%	46%	32%	29%	46%	43%	<1%	0.34	0.74	5.71	68%	0.30	70%	88%
RHE 35 (Double Pane)	20%	46%	34%	27%	47%	44%	<1%	0.28	0.74	2.72	67%	0.24	76%	87%
RHE 50 (Single Pane)	39%	28%	33%	49%	26%	24%	<1%	0.54	0.81	5.71	45%	0.47	53%	93%
RHE 50 (Double Pane)	34%	29%	37%	45%	28%	28%	<1%	0.45	0.81	2.72	45%	0.39	61%	92%
NHE 20 (Single Pane)	20%	24%	56%	22%	26%	30%	<1%	0.39	0.86	5.71	75%	0.34	66%	99%
NHE 20 (Double Pane)	18%	28%	54%	21%	30%	30%	<1%	0.28	0.86	2.69	75%	0.24	76%	98%
NHE 35 (Single Pane)	33%	14%	53%	37%	16%	19%	<1%	0.51	0.86	5.71	59%	0.45	55%	99%
NHE 35 (Double Pane)	29%	19%	52%	34%	20%	21%	<1%	0.41	0.86	2.69	59%	0.36	64%	98%
VHE 14 (Single Pane)	7%	56%	37%	9%	58%	24%	<1%	0.18	0.76	5.71	90%	0.16	84%	85%
VHE 14 (Double Pane)	6%	57%	37%	9%	58%	28%	<1%	0.12	0.76	2.72	89%	0.11	89%	84%
THE 80 (Single Pane)	44%	6%	50%	78%	8%	8%	<1%	0.64	0.90	5.71	14%	0.56	44%	94%
THE 80 (Double Pane)	39%	8%	53%	70%	13%	15%	<1%	0.53	0.90	2.72	14%	0.46	54%	93%

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

¹Certain restrictions apply; see an authorised dealer for warranty details. ²300-380nm. ©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