

Solar Control and Energy Savings

Helios Spectrally Selective Exterior Film

XHE 70 ER HPR

Developmental Technical data [‡]	6mm clear single	6mm-12mm-6mm dual clear
Solar Energy Transmission, τ_e	33%	27%
Solar Energy Reflection, ρ_e	37%	39%
Solar Energy Absorption, α_e	30%	34%
Visible Light Transmission, τ_v	66%	59%
Visible Light Reflection (External), ρ_{ve}	9%	13%
Visible Light Reflection (Internal), ρ_{vi}	9%	15%
Ultraviolet Transmission, τ_{uv} (wavelengths 300-380nm)	<1%	
Solar Heat Gain Coefficient	0.42	0.34
Shading Coefficient	0.48	0.39
Total Solar Energy Rejected	58%	66%
Glare Reduction	25%	25%
Film Colour / Appearance	Light-Green	
Manufacturer's Limited Warranty	10 Years vertical / 5 Years sloping	

Installation Notes: Please follow Technical Bulletin 73 Installation, sealing and splicing guidelines and the NEW Technical Bulletin 85 Sealing with vinyl tapes.

Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation; Contact Eastman Performance Films for full details.

[‡]Based on data obtained during product development and subject to change. Data captured using National Fenestration Rating Council's (NFRC) guidelines on single nominal 6mm clear glass and dual nominal 6-12-6 mm clear glass. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties.

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