

Reflective Helios Dark Silver

RHE20 SI ER HPR

Performance Data



Technical data according To EN 410 and EN 673*	4 mm single	4/16/4 mm double
Solar Energy Transmission, τ_e	10%	9%
Solar Energy Reflection, ρ_e	62%	
Solar Energy Absorption, α_e	28%	29%
Visible Light Transmission, τ_v	14%	13%
Visible Light Reflection (External), ρ_{ve}	65%	
Visible Light Reflection (Internal), ρ_{vi}	61%	59%
Ultraviolet Transmission, τ_{UV}	< 0.1 %	
Ultraviolet Rejection	> 99.9 %	
g value	0,17	0,13
Shading Coefficient	0,19	0,14
Total Solar Energy Rejected	83%	87%
Glare Reduction	85%	86%
U value, single glazing (W/m ² .K)	5,7	
U value, double glazing, Air filled (W/m ² .K)		2,7
Emissivity, ϵ_n	0,87	
Thickness without liner	60 μ	
Film Colour / Appearance	Silver	
Installation position	Exterior	
Warranty: 10 years vertical / 5 years sloping**		

Installation Notes: Edge sealing required. Use Film On for installation.

* Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation; Corrected emissivity of uncoated glass surface: 0.837.

** Contact Eastman Performance Films for full details. All values for engineering parameters are determined by the manufacturer and independent testing laboratories.

Datasheet created on 04/08/2015. For a more recent version please contact your LLumar representative.

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Features & Benefits



- The optimal solution for buildings which have to deal with high solar heat gain and therefore high cooling costs
- Reflective solar control and privacy exterior grade film
- Special technology polymeric scratch resistant coating provides increased durability and easier cleaning – patent applied for
- Significant improvement of working conditions – high reduction in solar heat gain
- Reduction in air-conditioning costs and hence a reduction in energy costs with potential payback of less than 3 years.
- Potential to reduce CO2 emissions by tens of tonnes per year
- Daylight privacy – ‘one way’ mirror effect can be achieved under the correct lighting conditions
- Excellent glare reduction for reduced eyestrain and easier working with computer screens
- Excellent UV filtering integral to the polyester – helps to reduce fading of textiles, furniture, and works of art
- Extremely well adapted to single, double and double low-E insulating glazing systems
- Exterior installation