## RHE50 SI ER HPR

Technical data according to EN 410 and EN 673	4 mm single	4 / 16 / 4 mm double
Corrected emissivity of uncoated glass surface	0.837	
Solar Energy Transmission, $\tau_{\rm e}$	33 %	28 %
Solar Energy Reflection, $\rho_{\text{e}}$	32 %	33 %
Solar Energy Absorption, a <sub>e</sub>	35 %	39 %
Visible Light Transmission, $\tau_v$	45 %	41 %
Visible Light Reflection (External) , $\rho_{\text{Ve}}$	30 %	32 %
Visible Light Reflection (Internal) , $\rho_{\text{Vi}}$	27 %	30 %
Ultraviolet Transmission, $\tau_{\text{UV}}$	< 1 %	
Ultraviolet Rejection	> 99 %	
g value	0.41	0.34
Shading Coefficient	0.47	0.41
Total Solar Energy Rejected	59 %	66 %
Glare Reduction	49 %	53 %
U value, single glazing (W/m <sup>2</sup> .K)	5.7	-
U value, double glazing, Air filled (W/m <sup>2</sup> .K)	-	2.8
Emissivity, & <sub>n</sub>	0.87	
Thickness without liner	60 µ	
Film Colour / Appearance	Silver	
Installation position	Exterior	
Warranty	7 years vertical / 5 years sloping (slopes 20 degrees or more from horizontal)**	

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

\* Please check the complete Film to Glass Thermal Stress Compatibility Guidelines **before** film installation. \*\* Contact Solutia Performance Films for full details. All values for engineering parameters are determined by the manufacturer and independent testing laboratories.

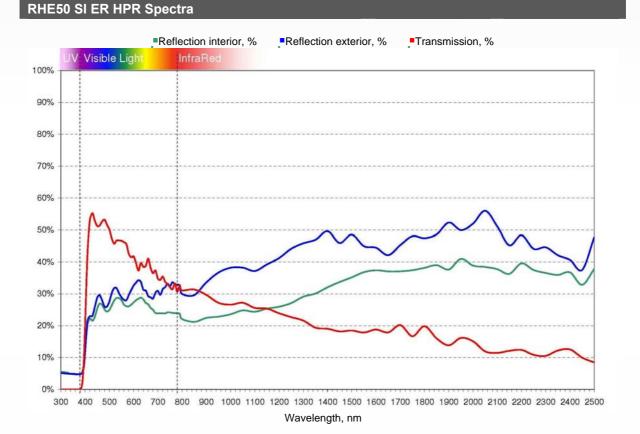
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## **RHE50 SI ER HPR**

## Features & Benefits

- The optimal solution for buildings which have to deal with high solar heat gain and therefore high cooling costs
- Reflective solar control 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
- 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



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