

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

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|-------------------------------------|------|------|
| Solar Energy Transmission, τ_e | 33 % | 28 % |
| Solar Energy Reflection, ρ_e | 32 % | 33 % |
| Solar Energy Absorption, a_e | 35 % | 39 % |

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|---|------|------|
| Visible Light Transmission, τ_V | 45 % | 41 % |
| Visible Light Reflection (External) , ρ_{Ve} | 30 % | 32 % |
| Visible Light Reflection (Internal) , ρ_{Vi} | 27 % | 30 % |

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|---------------------------------------|--------|
| Ultraviolet Transmission, τ_{UV} | < 1 % |
| Ultraviolet Rejection | > 99 % |

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| g value | 0.41 | 0.34 |
| Shading Coefficient | 0.47 | 0.41 |
| Total Solar Energy Rejected | 59 % | 66 % |
| Glare Reduction | 49 % | 53 % |

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| U value, single glazing (W/m ² .K) | 5.7 | - |
| U value, double glazing, Air filled (W/m ² .K) | - | 2.8 |

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|--------------------------|------|
| Emissivity, ϵ_n | 0.87 |
|--------------------------|------|

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|-------------------------|----------|
| Thickness without liner | 60 μ |
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|--------------------------|--|
| 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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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

RHE50 SI ER HPR Spectra

