

# Reflective Helios Medium Silver

RHE35 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, $\tau_e$                       | 18%         | 16%              |
| Solar Energy Reflection, $\rho_e$                         | 51%         | 52%              |
| Solar Energy Absorption, $\alpha_e$                       | 31%         | 32%              |
| Visible Light Transmission, $\tau_v$                      | 25%         | 23%              |
| Visible Light Reflection (External), $\rho_{ve}$          | 52%         |                  |
| Visible Light Reflection (Internal), $\rho_{vi}$          | 48%         |                  |
| Ultraviolet Transmission, $\tau_{UV}$                     | < 0.1 %     |                  |
| Ultraviolet Rejection                                     | > 99.9 %    |                  |
| g value   | 0,25        | 0,2              |
| Shading Coefficient                                       | 0,29        | 0,23             |
| Total Solar Energy Rejected                               | 75%         | 80%              |
| Glare Reduction   | 72%         | 74%              |
| U value, single glazing (W/m <sup>2</sup> .K)             | 5,7         |                  |
| U value, double glazing, Air filled (W/m <sup>2</sup> .K) |             | 2,7              |
| Emissivity, $\epsilon_n$                                  | 0,87        |                  |
| Thickness without liner                                   | 60 $\mu$    |                  |
| 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
- Good 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