

NHE1035 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, τ_e	32 %	27 %
Solar Energy Reflection, ρ_e	17 %	18 %
Solar Energy Absorption, a_e	50 %	55 %

Visible Light Transmission, τ_V	38 %	34 %
Visible Light Reflection (External) , ρ_{Ve}	19 %	20 %
Visible Light Reflection (Internal) , ρ_{Vi}	15 %	20 %

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

g value	0.44	0.35
Shading Coefficient	0.51	0.41
Total Solar Energy Rejected	56 %	65 %
Glare Reduction	57 %	61 %

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

Emissivity, ϵ_n	0.87
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Thickness without liner	60 μ
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Film Colour / Appearance	Neutral
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 best solution if good solar control is needed with lower reflection of visible light
- Neutral solar control exterior grade film
- Special technology polymeric scratch resistant coating provides increased durability and easier cleaning – patent applied for
- 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 5 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
- Well adapted to single, double and double low-E insulating glazing systems
- Exterior installation

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