

# NHE1020 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, $\tau_e$	22 %	18 %
Solar Energy Reflection, $\rho_e$	23 %	23 %
Solar Energy Absorption, $a_e$	56 %	59 %

Visible Light Transmission, $\tau_V$	25 %	22 %
Visible Light Reflection (External) , $\rho_{Ve}$	24 %	24 %
Visible Light Reflection (Internal) , $\rho_{Vi}$	27 %	30 %

Ultraviolet Transmission, $\tau_{UV}$	< 1 %
Ultraviolet Rejection	> 99 %

g value	0.35	0.26
Shading Coefficient	0.40	0.31
Total Solar Energy Rejected	65 %	74 %
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)	-	2.8

Emissivity, $\epsilon_n$	0.87
--------------------------	------

Thickness without liner	60 $\mu$
-------------------------	----------

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.

# NHE1020 ER HPR

## Features & Benefits

- The best solution if good solar control is needed with lower reflection of visible light
- Neutral 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 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
- 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
- Adapted to single, double and double low-E insulating glazing systems
- Exterior installation

## NHE1020 ER HPR Spectra

