

agculture
by AGC



Performance data

fountain

geysir

brilliant

Glass (4mm)	$T_{\text{Par}}^{(a,b)}$ (± 1%)	$T_{\text{Hem}}^{(a,c)}$ (± 1%)	Hortiscatter ^(d) (± 5%)	$U_g^{(e)}$ W/(m ² .K)
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Fountain				
Fountain ^(g) , Ultra low hortiscatter, 2xAR ^(h)	96.5%	85.5%	15%	5.8
Fountain, Low hortiscatter, 2xAR	96.5%	84.1%	27%	5.8
Fountain, Mid hortiscatter, 2xAR	96.5%	83.0%	38%	5.8
Fountain, High hortiscatter, 2xAR	96.5%	80.6%	63%	5.8
Fountain, Ultra low hortiscatter, 1xAR	94.0%	84.5%	15%	5.8
Fountain, Low hortiscatter, 1xAR	94.0%	83.1%	27%	5.8
Fountain, Mid hortiscatter, 1xAR	94.0%	82.0%	38%	5.8
Fountain, High hortiscatter, 1xAR	94.0%	79.6%	63%	5.8

Fountain is a low iron float glass which is chemically etched on one side and coated with AR coating(s)

Geysir				
Geysir ^(g) , 2xAR	90%	83%	0%	3.7

Geysir is a clear float glass which is coated on one side with low emissivity coating and both side with 2 AR coatings

Brillant				
Brillant ^(g) , Diffuse, 2xAR	98.5%	-- ⁽ⁱ⁾	On request	5.8
Brillant ^(g) , Clear, 2xAR	98.5%	91.2%	0%	5.8

Brillant diffuse is a low iron float glass which is chemically etched on one side and coated with 2 AR coatings excluding NIR

Brillant clear is a low iron float glass which is coated with 2 AR coatings excluding NIR

^(a) The values were measured after tempering process

^(b) PAR: Photosynthetically Active Radiation

^(c) T_{Hem} (Hemispherical light transmission) is the total transmission of light through a hemisphere over the observer or target, distributed equally over the hemisphere surface.

^(d) Hortiscatter is the integral value of geometrical distribution of light intensity, as measured by the bi-directional transmittance (or reflectance) distribution function (BTDF) under a given angle of incidence of incoming light beam (3D data).¹ Our Hortiscatter is measured and certified by Wageningen University and Research.

^(e) U_g value (Thermal transmittance) is the rate of transfer of heat through the glass. Its measures in W/(m².K).

^(g) All products are fully thermally toughened (tempered)

^(h) AR is the anti-reflective coating

⁽ⁱ⁾ T_{Hem} value depends on the hortiscatter value

PAR and T_{Hem} are measured according to standard NEN 2675 + C1:2018 by Wageningen University and Research (WUR).