

ClimaGuard

ClimaGuard® A+

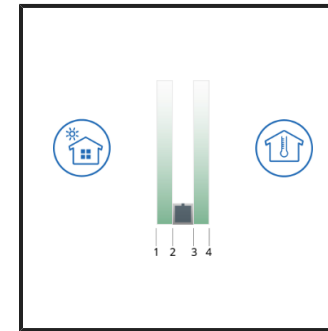
This ClimaGuard earns a perfect score

Typically used in windows, conservatories, structural glazing, facades and curtain walls, Guardian ClimaGuard® A+ is a new thermal insulating glass for double and triple glazed insulating units that meets the highest performance requirements in terms of transparency and solar heat gain. This new low emissivity (Low-E) glass maintains the same thermal performance but with an increased level of solar heat gain. Guardian ClimaGuard® A+ allows solar heat to pass through the glazing, which is then retained within the building by the low-E coated glass. This means a positive effect on your heating costs during winter months as well as improving comfort levels in your home.



Product Information

Substrate Base Glass/Thickness	Guardian ExtraClear/4-12 mm
Applications	Windows / Doors
Manufacturing options	Annealed / Laminated
Recommended Coating Positions	Surface 3 (double IGU) Surface 3&5 (triple IGU)
Maximum Size	<3210x6000mm
Edge Deletion	Yes
Glass type	Single Silver Coated Glass
Glass functions	Thermal insulation
Fabrication options	Must be used in an Insulating Glass Units
Appearance	Neutral



Double Glazed



Triple Glazed

Visible light			Ultraviolet	Solar Energy						Thermal Properties	
Transmittance	Reflectance		Trans UV(τ_{UV} %)	Transmittance	Reflectance		Absorptance	Solar Factor(g%)	Shading Coefficient (sc)	U-Value	
Visible (τ_v %)	pv % out	pv % in		General Color Rendering Index (Ra)	Solar (τ_e %)	pe % out	pe % in			Solar(α_e %)	Ug W/m ² ·K
Double Glazed: 4-16-4 ClimaGuard ClimaGuard® A+ on Guardian ExtraClear #2, Guardian ExtraClear, 90% Argon Fill											
82	13	13	98	29	63	22	20	15	71	0.81	1.2
Triple Glazed: 4-16-4-16-4 ClimaGuard ClimaGuard® A+ on Guardian ExtraClear #2, Guardian ExtraClear, Guardian ExtraClear, 90% Argon Fill											
74	17	17	96	14	50	26	25	23	61	0.70	0.6

The performance values shown are nominal and subject to variations due to manufacturing tolerances. Spectra-photometric values according to EN410_2011 / Metric.

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