

ClimaGuard®

ClimaGuard Solar

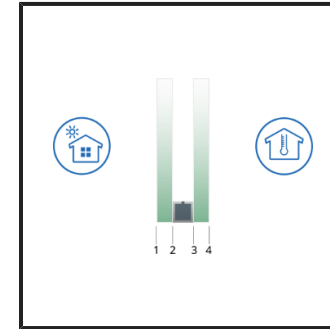
Intelligent solar control for windows, even large ones

Ideal for renovation projects or new residential builds, Guardian ClimaGuard® Solar coated glass combines a high level of thermal insulation with effective solar protection for windows. Its reduced solar factor minimises air conditioning costs and contributes to an optimal indoor environment all year round. In the winter, its powerful insulation keeps warmth inside. In the summer, it keeps air conditioned spaces cool, both by insulating and selectively reflecting unwanted solar heat, while it permits natural daylight to enter. Guardian ClimaGuard® Solar glass is beautifully transparent, giving designers and builders the freedom to use larger windows, flooding home interiors with natural daylight.



Product Information

Substrate Base Glass/Thickness	Guardian ExtraClear/4-12 mm
Applications	Windows / Doors / Roofs
Manufacturing options	Annealed / Laminated
Recommended Coating Positions	Surface 2 (double IGU) Surface 2 (triple IGU)
Maximum Size	<3210x6000mm
Edge Deletion	Yes
Glass type	Single Silver Coated Glass
Glass functions	Solar Control Thermal Insulation
Fabrication options	Must be used in Insulated Glass Unit
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 Solar on Guardian ExtraClear #2, Guardian ExtraClear, 90% Argon fill											
67	27	24	96	25	41	43	43	16	42	0.49	1.0
Triple Glazed: 4-14-4-14-4 ClimaGuard® ClimaGuard Solar on Guardian ExtraClear #2, Guardian ExtraClear, Guardian ExtraClear, 90% Argon fill											
62	30	29	95	22	37	45	41	18	40	0.46	0.9

The performance values shown are nominal and subject to variations due to manufacturing tolerances. Spectra-photometric values according to EN 410:2011 , EN 673:2011 / Metric.

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