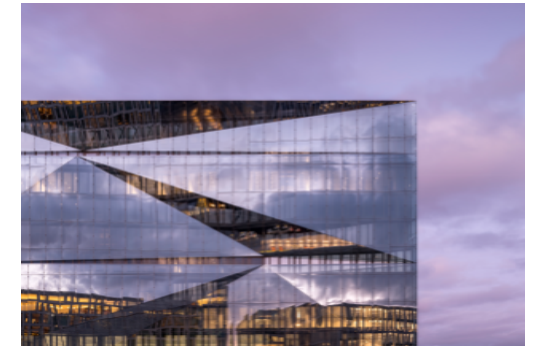


ClimaGuard®

ClimaGuard Premium2

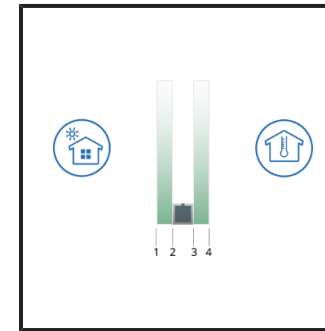
Harness the sun and its light

Guardian ClimaGuard® Premium2 coated glass for double and triple glazing offers an exceptional level of light transmission, allowing a higher amount of natural daylight into residential applications, reducing the need for artificial lighting. A remarkable 74% of light is transmitted in triple glazing, enabling higher levels of transparency without disruptive reflections. The coated glass also offers high solar heat gain, making it suitable for passive house and low energy constructions. As a universal product for double and triple glazing, logistics is simplified as there is no need for multiple products which means reduced stock and improved logistics for glass producers.



Product Information

Substrate	Guardian ExtraClear/4-12 mm
Base Glass/Thickness	Guardian UltraClear/4-12 mm
Applications	Windows / Doors / Roofs
Manufacturing options	Laminated / Annealed / Heat Treated for T versions
Recommended Coating Positions	Surface 3 (double) Surface 2 & 5 (Triple)
Maximum Size	<3210x6000mm
Edge Deletion	Yes
Glass type	Single Silver Coated Glass
Glass functions	Thermal Insulation
Fabrication options	Must be used in 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® on Guardian ExtraClear #2, ClimaGuard Premium2 on Guardian ExtraClear #3, 90% Argon fill											
82	12	13	98	37	58	28	28	14	64	0.73	1.1
Double Glazed: 4-16-4 ClimaGuard® on Guardian UltraClear #2, ClimaGuard Premium2 on Guardian UltraClear #3, 90% Argon fill											
82	12	12	99	41	61	31	31	8	66	0.76	1.1
Triple Glazed: 4-16-4-16-4 ClimaGuard® on Guardian ExtraClear #2, Guardian ExtraClear, ClimaGuard Premium2 on Guardian ExtraClear #5, 90% Argon fill											
75	19	18	97	32	52	29	31	19	59	0.67	0.9
Triple Glazed: 4-16-4-16-4 ClimaGuard® on Guardian UltraClear #2, Guardian UltraClear, ClimaGuard Premium2 on Guardian UltraClear #5, 90% Argon fill											
76	18	18	99	37	56	34	34	10	61	0.70	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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