

ClimaGuard

ClimaGuard Neutral 1.0

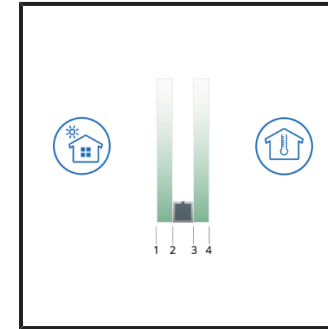
Choose this ClimaGuard to meet new Part L Building Regulations for double glazing in new and existing homes

Developed to meet the new UK Building Regulations Part L for glazing in new homes, Guardian ClimaGuard® Neutral 1.0 is a new thermal insulating coated glass with a Ug-value of 1.0 W/m²K. Designed for double-glazed insulating units, the glass allows natural daylight into people's homes, while looking more neutral to other 1.0 U-value glass products for residential windows. The glass has a transparent, colour-neutral appearance for clearer and less reflective views for residential settings. ClimaGuard® Neutral 1.0 is a single product solution which can be used in its annealed form or can be heat treated for use in safety applications. This means glass processors don't need to stock two different glass products (a heat treatable version and an annealed version) to meet the demand from window makers.



Product Information

Substrate	Guardian ExtraClear/4-8 mm
Base Glass/Thickness	Guardian UltraClear/4-8 mm
Applications	Windows / Doors
Manufacturing options	Heat Strengthened / Heat Soaked / Annealed / Laminated / Tempered
Recommended Coating Positions	Surface 3 Double Glazed Surface 3 & 5 Triple Glazed
Maximum Size	<3210x6000mm
Edge Deletion	Yes
Glass type	Single Silver Coated Glass
Glass functions	Improved aesthetics
Appearance	Neutral



Double Glazed



Triple Glazed

Visible light				Ultraviolet	Solar Energy						Thermal Properties
Transmittance	Reflectance		General Color Rendering Index (Ra)	Trans UV(τ_{uv} %)	Transmittance	Reflectance		Absorptance	Solar Factor(g%)	Shading Coefficient (sc)	U-Value
Visible (τ_v %)	pv % out	pv % in			Solar (τ_e %)	pe % out	pe % in	Solar(a_e %)			Ug W/m ² ·K
Double Glazed: 4-16-4 ClimaGuard ClimaGuard Neutral 1.0 on Guardian ExtraClear #2, Guardian ExtraClear, 90% Argon Fill											
73	14	13	97	17	41	37	36	22	53	0.61	1.0
Triple Glazed: 4-16-4-16-4 ClimaGuard ClimaGuard Neutral 1.0 on Guardian ExtraClear #2, Guardian ExtraClear, Guardian ExtraClear, 90% Argon Fill											
59	17	16	95	5	29	40	38	31	43	0.49	0.5

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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