

ClimaGuard®

ClimaGuard 80/71

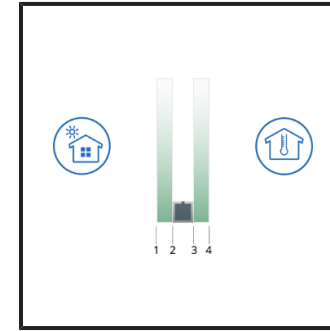
Cold outside, warm inside

In chilly climates like the northern U.S. and Canada where winter temperatures regularly plummet below the freezing point, low-E glass in your windows is the first line of defense. ClimaGuard 80/71 coated residential glass is designed to maximize solar heat gain and retain indoor heat. Homeowners can get the visible light they desire and the insulating power they need.



Product Information

Substrate Base Glass/Thickness	Clear Float/2.3 mm (3/32") - 5 mm (13/64")
Applications	Windows / Doors / Skylights
Manufacturing options	Tempered / Laminated / Heat Soaked / Heat Strengthened / Annealed
Recommended Coating Positions	Double glazed: #2 or #3 surface Triple Glazed: #2 and/or #5 surface
Maximum Size	<100"x144" (2540x3658mm)
Edge Deletion	Yes
Glass type	Low E
Glass functions	U-Value Benefit Passive Heat
Fabrication options	Must be used in Insulating Glass Units
Appearance	Neutral



Double Glazed



Triple Glazed

Visible Light			Ultraviolet	Solar Energy						Thermal Properties		Light to Solar Gain (LSG)	
Transmittance Visible (tv %)	Reflectance		Trans UV(tuv %)	Transmittance Solar (te %)	Reflectance		Absorptance Solar (ae %)	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient (sc)	U-Value			
	pv % out	pv % in			General Color Rendering Index (Ra)	pe % out				pe % in	Winter Night (Btu/hr-ft ² -F)		Summer Day (Btu/hr-ft ² -F)
Double Glazed: 3-12.7-3 ClimaGuard® on Clear Float #2, ClimaGuard 80/71 on Clear Float #3, 90% Argon fill													
80	14	14	98.1	44	62	21	20	17	0.71	0.81	0.265	0.246	1.13
Triple Glazed: 3-12.7-3-12.7-3 ClimaGuard® ClimaGuard 80/71 on Clear Float #2, Clear Float, Clear Float, 90% Argon fill													
71	18	19	96.8	28	49	24	24	26	0.59	0.67	0.186	0.183	1.22

The performance values shown are nominal and subject to variations due to manufacturing tolerances. Spectra-photometric values according to NFRC 2010 / US Standard.

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1-855-58-GLASS (45277)
2300 Harmon Road, Auburn Hills, Michigan 48326

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