



LoE³-366


Ultimate Performance Glass for All Climates

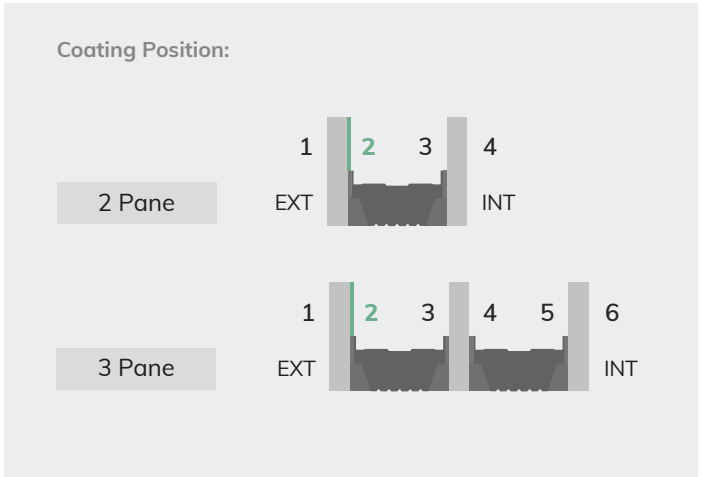
Cardinal LoE³-366® glass offers optimal solar control and high visibility, ensuring year-round comfort and energy savings. Its advanced triple-layer coating provides exceptional heat rejection and fading protection without compromising the view, making it the most popular LoE product.


65%
Vis Trans


0.27
SHGC



0.24
U-Factor



5%
UV Transmission





Data is produced using LBNL Window 7.8. 2-pane IG units have 13mm airspace and filled to 90% argon.

Benefits of LoE³-366


**High Visible Light
w/Solar Heat Gain**


**Excellent
UV blocking**


**All Season
Comfort**


**Enhanced Visual
Comfort**

The superior insulating capability of LoE³-366 is a key factor in the construction of comfortable windows for cold & warm climates. The dramatic comfort improvement from LoE³-366 glass also means the relative humidity of the indoor air can be controlled and maintained properly. It lets more unobstructed light in and protects from unwanted exterior air, keeping your home comfortable.

High energy efficiency

Custom shapes & sizes

Neutral color

Laminated options

Thicknesses: 2.2 to 6mm

Max dimensions: 96" x 144"

Note: LoE³-366 is available as annealed, heat-strengthened or tempered glass.

ENERGY STAR 7.0

ENERGY STAR® is a program run by the U.S. Environmental Protection Agency (EPA) that promotes energy efficiency in consumer products, including windows. ENERGY STAR 7.0 is the latest version of the ENERGY STAR program's requirements for windows.

LoE³-366 can be used to meet the criteria for **all four climate zones**. In the **Northern** climate zone, choose LoE³-366 with a triple pane IG unit.

Whole-Window Performance Criteria

	U-Factor	SHGC	
▶ Northern	≤0.22	≥0.17	Prescriptive
	=0.23	≥0.35	Equivalent Energy Performance
	=0.24		
	=0.25	≥0.40	
	=0.26		
▶ North-Central	≤0.25	≤0.40	
▶ South-Central	≤0.28	≤0.23	
▶ Southern	≤0.32	≤0.23	



3/4" Dual Pane with 3mm Glass ● 1" Triple Pane with 3mm Glass ● 90% Argon

Center-of-Glass Performance

Dual Pane

Triple Pane

	VISIBLE LIGHT		FADING			U-FACTOR	
	Transmission	Exterior	UV	ISO	SHGC	Air Fill	Argon Fill
						IP / SI	IP / SI
▶ LoE ³ -366 / Clear	65%	11%	5%	43%	0.27	0.29 / 1.65	0.24 / 1.37
▶ LoE ³ -366 / LoE-i89	63%	11%	5%	42%	0.27	0.23 / 1.30	0.20 / 1.11
▶ LoE ³ -366 / Clear / LoE-180	57%	15%	2%	36%	0.24	0.16 / 0.90	0.13 / 0.72
▶ LoE ³ -366 / LoE-180 / LoE-i89	56%	15%	2%	35%	0.24	0.14 / 0.73	0.11 / 0.63

LBNL Window 7 per NFRC100 conditions. LoE³-366 is intended for the 2nd surface on an insulating glass unit.



ENGINEERING THE FUTURE OF GLASS

Contact Cardinal CG to learn more about LoE³-366 and other Cardinal glass products.

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