

LoE³-366

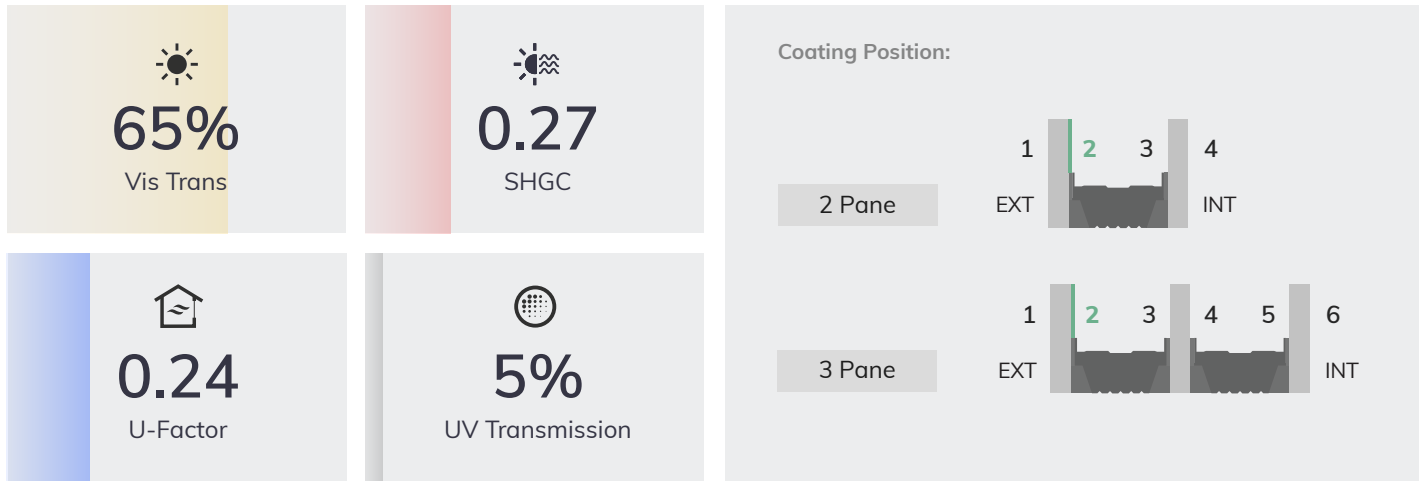
Ultimate Performance Glass for All Climates



PHONE (215) 714-7784
 EMAIL sales@astergo.com
 WEB astergo.com
 ADDRESS 1813 Easton Rd, Willow Grove, PA 19090



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.



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	VISIBLE LIGHT		FADING			U-FACTOR		
	Transmission	Exterior	UV	ISO	SHGC	Air Fill	Argon Fill	
						IP / SI	IP / SI	
Dual Pane	▶ 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
Triple Pane	▶ 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.



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

775 Prairie Center Drive, Eden Prairie, MN 55344

www.cardinalcorp.com