

LoE²-272

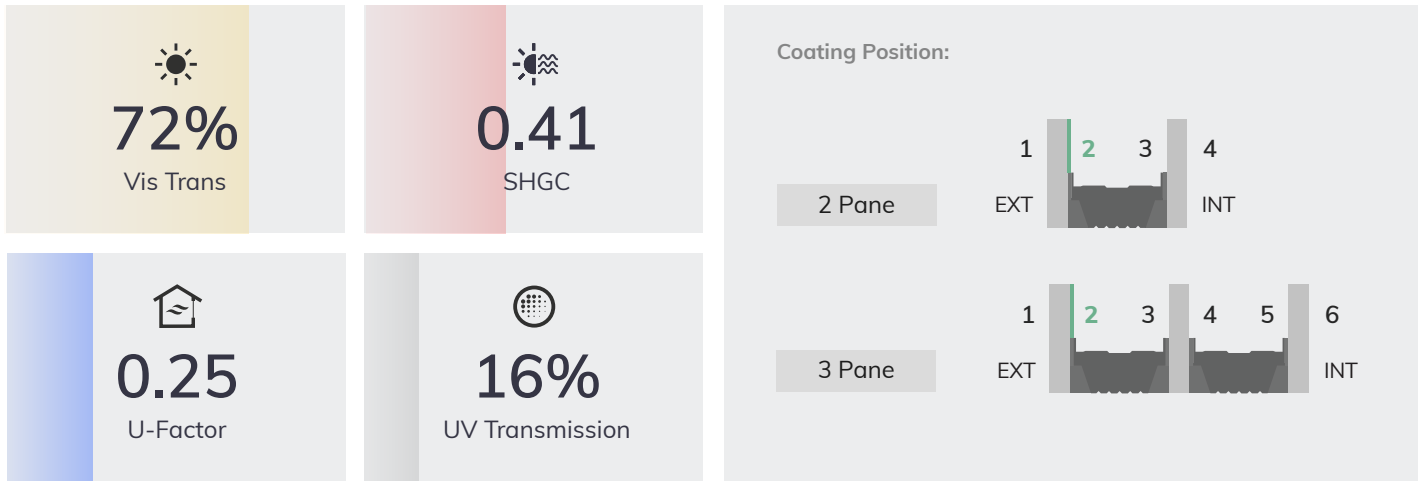
Moderate Solar Control for All Seasons



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



Cardinal LoE²-272® is a previous-generation glass coating that provides great solar heat gain protection and a low U-Factor, bringing interior comfort for all seasons. It renders a slightly higher visible light transmittance than LoE²-270 glass.



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

Benefits of LoE²-272

- ✓ All-Season Comfort
- ✓ Low U-Factors
- ✓ Neutral Appearance

The LoE² coated glass family delivers year-round comfort in any weather. In summer, it rejects the sun's heat and damaging UV rays. In winter, it reflects heat back into the room.

- Laminated options
- Custom shapes & sizes
- Max dimensions: 96" x 144"
- Thicknesses: 2.2 to 6mm

Note: LoE²-272 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.

LoE²-272 can be used to meet the criteria for the **Northern** and **North-Central** climate zones. In the Northern climate zone, choose LoE²-272 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 ² -272 / Clear	72%	11%	16%	55%	0.41	0.30 / 1.69	0.25 / 1.43
▶ LoE ² -272 / LoE-i89	70%	11%	16%	53%	0.41	0.23 / 1.33	0.20 / 1.15
▶ LoE ² -272 / Clear / LoE-180	63%	15%	8%	44%	0.37	0.16 / 0.92	0.13 / 0.73
▶ LoE ² -272 / LoE-180 / LoE-i89	62%	15%	8%	43%	0.36	0.14 / 0.80	0.11 / 0.65

LBNL Window 7 per NFRC100 conditions. LoE²-272 is intended for the 2nd surface on an insulating glass unit.



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Contact Cardinal CG to learn more about LoE²-272 and other Cardinal glass products.

775 Prairie Center Drive, Eden Prairie, MN 55344

www.cardinalcorp.com