

Today's Frames, Tomorrow's Performance

Thin glass solutions for your existing frames that exceed evolving performance standards

Why AlpenGlass?

AlpenGlass is a trusted supplier of custom triple and quad-pane insulated glass units. Our IGU's are lightweight and durable, making them the ideal solution for window manufacturers adapting to ever-changing efficiency standards. Alpen was the first company in the world to commercialize thin glass and has millions of square feet of thin glass in the market today. Our thin-glass IGU's pack triple and quad pane performance into traditional glass pockets without impacting design, comfort, weight, or installation.



Seamless Integration

Engineered to enhance the performance of your windows.

AlpenGlass fits seamlessly into any glass pocket, meeting the most aggressive building codes and ENERGY STAR® Standards with no changes to product design and zero compromise on solar heat gain or window-to-wall ratio.

Lightweight Design

AlpenGlass is crafted to be lightweight without compromising on thermal efficiency. This allows for larger and more ambitious designs - all while maintaining maximum energy efficiency.

Accessible and Long Lasting

We believe high performance should be accessible. Producing domestically in the USA results in competitive pricing and timely order fulfillment. We have mastered thin-glass IGU design, production, and shipping processes. AlpenGlass is engineered to last and comes with a 20 year Warranty.

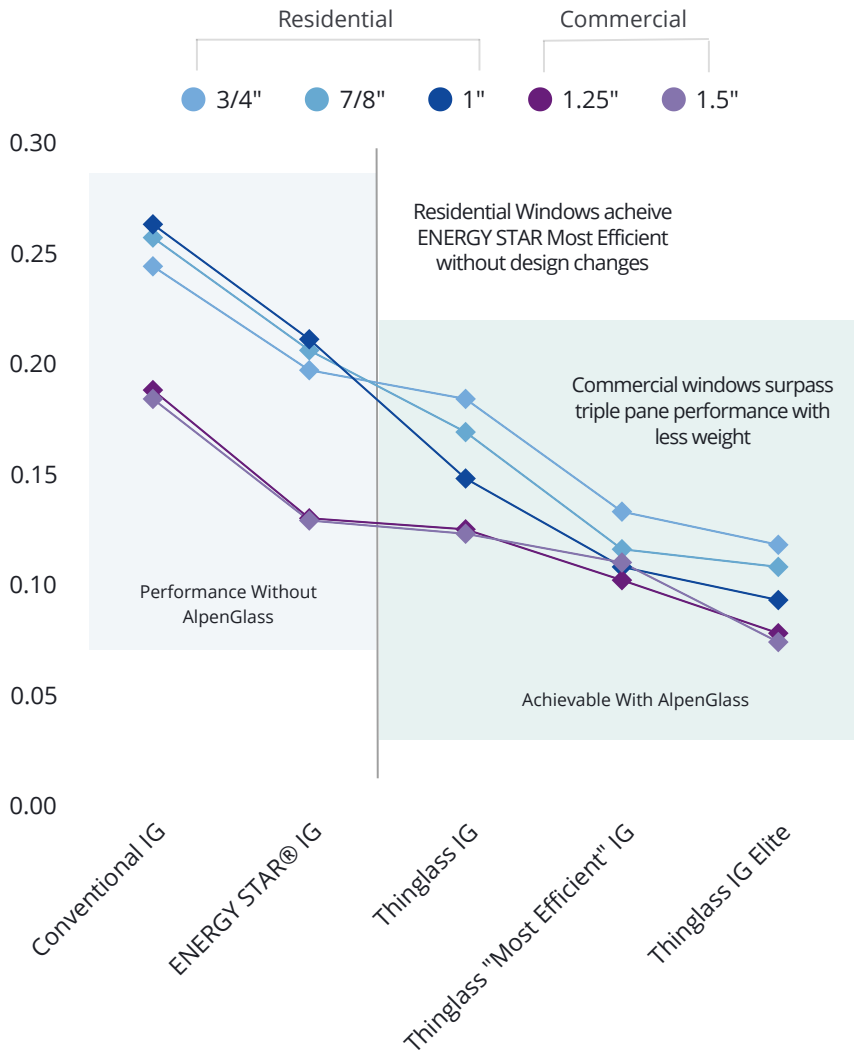
Low Embodied Carbon

Our commitment to low embodied carbon is realized through efficient production processes, reduced material usage, and products designed for longevity.

Performance and Data

Center of Glass U-Factor Rating

Performance Data for Representative Samples



	Performance Without AlpenGlass	
	Conventional	ENERGY STAR® IG
3/4"	0.244	0.197
7/8"	0.257	0.206
1"	0.263	0.211
1.25"	0.188	0.130
1.5"	0.184	0.129

	Achievable with AlpenGlass		
	Thinglass IGU	Thinglass "Most Efficient" IGU	Thinglass IG Elite
3/4"	0.184	0.133	0.118
7/8"	0.169	0.116	0.108
1"	0.148	0.108	0.093
1.25"	0.125	0.102	0.078
1.5"	0.123	0.110	0.066

AlpenGlass thin triples and quad pane IGUs markedly improve thermal performance without adding significant cost or weight. Our quad pane windows demonstrate an average payback of under 2 years in GSA Green Proving Ground Testing.

Certifications and Warranty

- Withstood breakage under uniform structural loads up to 250mph wind speed (155 psf) in Structural Load Testing.
- NAMI Certified - Insulating Glass Program
- AAMA Verified Components: Sealants and Spacers
- NFRC CMAST Approved Glazing and Spacer Components
- NFRC 101: Verified Spacer and Sealant
- ASTM E2188/2189/2190: PASSED insulating glass durability testing for volatile fog and gas containment under accelerated weathering conditions

All AlpenGlass comes with a 20 year warranty

