



Affordable, High-Performance VIG Secondary Glazing Solution

Innovative, Cost-Effective, Scalable

NextGlass LLC has developed a room-temperature flexible metal seal for vacuum-insulated glazing (VIG), offering high thermal performance (R15 COG) at a cost similar to dual-pane insulated glazing units (IGUs). This Glazing is placed in a high performance frame that can fit on the exterior of existing glazing, eliminating the need for replacement.



Technology and Innovation

✓ High Performance

R15 center of glass (COG), Increases overall glazing performance from R0.8-R1 to R6+

✓ Cost-Effective

Production cost similar to dual-pane IGUs, total installed cost of \$13-\$15/ft²



Benefits

✓ Environmental Impact

Potential to save 1.53 quads of primary energy and reduce CO2 emissions by 132Mt/year.

✓ External Installation

Easy and quick installation, prevents inner condensation, enhances aesthetics, and avoids occupant disruption



Application and Commercialization

✓ Equity and Accessibility

Targets lower-income communities, reducing their energy bills and improving living conditions.

✓ Pilot Production

Set up by late 2024, with a semi-automated line by the end of 2025 to produce 0.5M to 1M ft² annually

