



Retrofitting Existing Windows with High-Performing Glass: Performance and Pricing Comparisons

Glass Unit Type	U Value of Glass Unit	U Value of Window	Per window Cost to Retrofit
Double Pane Glass Units*	0.47	0.64	n/a
Double Pane Glass Units with Low-e Coating*	0.36	0.52	n/a
Alpen Thin Triple Pane Glass Units with Krypton*	0.11	0.36	\$536
Luxwall Vacuum Insulated Glass Units (VIG)**	0.05	0.17	\$520

Window values based on the performance of 7/8" IGUs in thermally broken aluminum frames.

** Values based on simulations conducted by Molimo Labs (an NFRC testing facility).*

*** Value based on third-party field-tested projects in thermally-broken aluminum frames. Case studies available upon request.*

Pricing based on standard 3' x' 5' commercial double-hung window.

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