

# WinSert® High Performance Secondary Window Inserts

## Improve Windows, Reduce Energy Loads & Increase Value *Without Window Replacement*

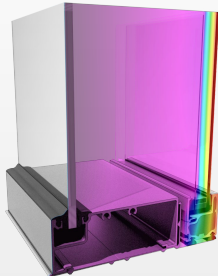
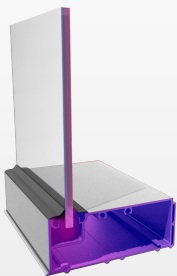
Derived from Alpen's decades of expertise, innovation and industry leadership manufacturing best-in-class high performance windows, WinSert® is an ultra-lightweight, high performance secondary window insert that solves one of the building industry's biggest challenges: how to cost-effectively retrofit aging, poor-performing commercial windows?

WinSert's unique and patented design couples state-of-the-art **ThinGlass** technology with proven, high performance, **super-insulated fiberglass frames** and mounts to the inside of an existing window with minimal or no penetrations. This creates an additional insulating chamber that transforms aging or low performing windows into air-tight, high performance windows **WITHOUT the time, cost and disruption of window replacement.**



**EXISTING WINDOW**  
Non-Thermally-Broken  
Aluminum Single Pane

**EXISTING WINDOW + WinSert Plus**  
High Performance Secondary  
Window Insert – Overlap Mount



U-Value = 1.12  
SHGC = 0.72

U-Value = 0.19  
SHGC = 0.30

*“The building is performing absolutely amazingly. I remember previous 95°F to 100°F days when it would be 90°F on the southwest facing rooms in the afternoon and there'd be nothing I could do about it, so to see the entire fourth floor within one degree of setpoint at 72°F is an absolute confirmation that these windows work.”*

– VP of Property Management, Hurley Development



Turn Existing  
Single-Pane into  
Triple-Pane



Improve Building Comfort  
& Temperature Control



Reduce Energy Loads &  
Prolong Lifetime of  
Existing Systems

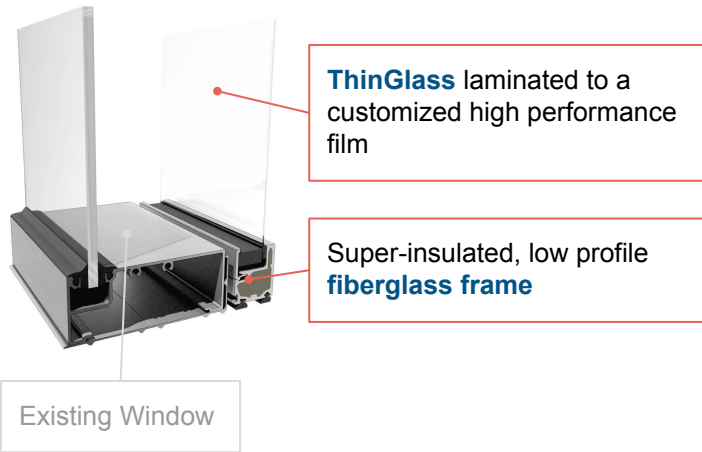


Reduce Operating  
Expenses

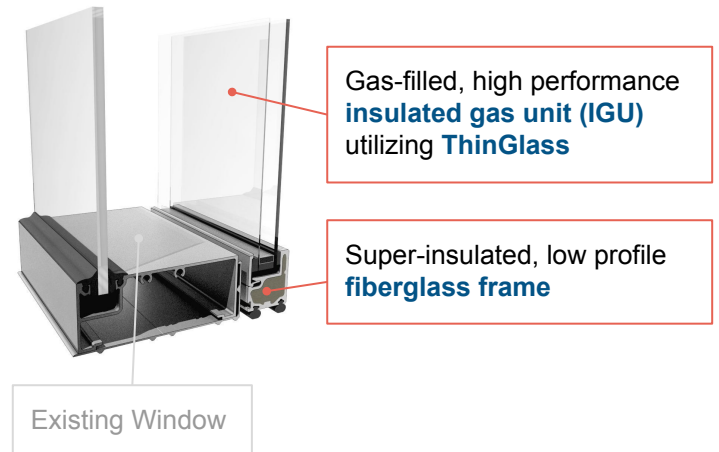


Reduce Carbon  
Footprint

## WinSert Lite



## WinSert Plus



	WinSert Lite	WinSert Plus
<b>Weight</b>	Entire unit averages < 1 lb/square foot	Dual-pane performance with single-pane weight
<b>Thermal Insulation</b>	Up to 2.5x better	Up to almost 6x better
<b>Solar Heat Gain</b>	Reduced by 47%	Reduced by 61%
<b>Single Glazed U-factor</b>	Improved to as low as 0.47	Improved to as low as 0.19
<b>Single Glazed SHGC</b>	Improved to as low as 0.38	Improved to as low as 0.28

## WinSert makes high-efficiency building envelopes and facades a smart business decision

### Features

- Award-winning, patented technology delivered by an industry-leading high performance window manufacturer
- High performance window components used for Passive House, Net Zero and Living Building Challenge applications
- Extensively third-party tested and verified
- Customizable configurations with complete color matching
- Lightweight form factor that can be installed in minutes
- Easily removable for primary window cleaning or maintenance when needed
- Low embodied energy content

### Benefits

- Significantly improve existing window performance to triple- or quad-pane levels without replacement
- Reduce heating, cooling and fan loads by up to 48%
- Reduce window air leakage by up to 97%
- Improve occupant comfort and property value
- Install quickly with virtually zero occupant disruption
- Improve winter interior window surface temperature by 20°F
- Reduce summer radiant temperature by 20°F or more
- Reduce exterior noise and interior glare
- Reduce exterior window condensation
- Aesthetically invisible—perfect for historic applications
- Compelling payback and return on investment



WINSERT SECONDARY WINDOW INSERT



Contact us to learn more or request a **FREE** energy savings report!

[www.ThinkAlpen.com](http://www.ThinkAlpen.com) | [info@ThinkAlpen.com](mailto:info@ThinkAlpen.com) | 303.834.3600