Product Data

IndowPRO provides a fast, non-disruptive, and cost-effective way to enhance the performance of existing windows. The frame installs on the interior of the primary window frame and is compatible with a variety of glazings. **IndowPRO** delivers dramatic improvements to window comfort, quiet, and energy efficiency.

APPLICATIONS:
- Window soundproofing, with 45+ STC levels attainable.
- Cost-effective energy savings.
- Greater comfort through thermal balancing across interior spaces.

Performance Data	Single-pane Window	Double-pane Window	IndowPRO* over Single-pane
Air sealing	.5 CFM - Very drafty	.1 to .3 CFM	0.01 CFM
Thermal Insulation	U-1.0	U-.5	.125 to .33 U-value
Noise Reduction	Baseline	20-30% Reduction from Baseline single-pane	Up to 80% reduction from baseline single-pane

* STC ratings based on 3rd party testing. Thermal and U-value testing based on 3rd party modeling and preliminary testing.

CONSTRUCTION
The **IndowPRO** Advanced Secondary Glazing System features a sturdy, lightweight, aluminum frame edged with EPDM gasketing which ensures thermal breaks and tight air sealing. Custom-colorable Cosmetic Cladding™ secures the glazing and seals the air pocket while supporting access to the primary glazing.

IndowPRO ships disassembled, dramatically reducing shipping costs and improving jobsite logistics. Final frame assembly and installation takes approximately 15 minutes. **IndowPRO's** flexible corners allow the design to maintain a tight air seal even in out-of-square windows.

SUBDIVIDING LARGE WINDOWS
IndowPRO features a mullion bracket system which can subdivide very large windows into smaller units.

Product Data

GLAZING TYPES:

IndowPRO is compatible with a wide range of advanced glazings from the most innovative glass companies in the world. Explain your goals and we will spec a glazing type to deliver benefits optimized for your needs.

GLAZING OPTION PHYSICAL PROPERTIES

Metric	Max. size	STC rating	Weight per square foot (lbs)	Glazing thickness
Acoustic Glass	84" x 144"	34+	4.5	8 mm
Vacuum Insulated Glass (VIG)	60" x 96"	33+	4.4	6.2 mm
Hardcoat Low-E	102" x 144"	28	4.4	6 mm
Low-E Acrylic 6 mm	78" x 118"	28	1.4	6 mm

GLAZING OPTION ENERGY AND OPTICAL PERFORMANCE

Metric	U-Value	Visible light transmittance %	Visible light Reflectance %	Solar energy transmittance %	Solar Heat gain Coefficient
Vacuum Insulated Glass	.06	76%	16%	61%	.66
Hardcoat Low-E	.5	84%	11%	74%	.77
Low-E Acrylic 3mm	.37	86%	6%	63%	.66
Acoustic Glass	1	88%	8%	71%	.8

Product Data

COMBINED SECONDARY & PRIMARY GLAZING PERFORMANCE EXAMPLES

Metric	U-Value	Visible light transmittance %	Reflectance %	Solar energy transmittance %	Solar Heat Gain Coefficient
Vacuum Insulated Glass	.125	65%	15%	33%	.36
Hardcoat Low-E	.33	73%	17%	52%	.67
Low-E Acrylic 3mm	0.27	77%	11.7%	54.8%	.64

Values assume a 6 mm clear monolithic existing window with a 14 mm air gap. Calculated using LBNL Optics 6 & Window 7.7 & represent center-of-glass region. NFRC 100-2010

COMPATIBILITY

There must be an unobstructed flat surface perpendicular to the window pane with a depth of at least 1.25".

Common obstructions are inset window treatments (blinds), hardware, hooks, locks and hinges. There must be at least a 1.5" between the blinds and your primary window.

ESTIMATION

Projects can be estimated based on architectural drawings, window schedules, or W" x H" tape measurements of the inside of the window frames.

INSTALLATION HIGHLIGHTS

- 15 min install per window.
- Ships disassembled for easy building logistics.
- Compatible with most commercial frames.
- Easily trained installation requires only basic tools and enables specialized teams.

MAXIMUM TEMPERATURE RANGE

IndowPRO should not be exposed to temperatures above 180F or below -20F

VISIBLE SITELINE OBSTRUCTION

Maximum of 1.75"

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