



# Product Data

Indow window inserts are an acrylic glazing edged with our patented Compression Tube that presses inside a window frame without requiring the installation of a mounting bracket.

Performance Data	Single-pane Window	Double-pane Window	Indow insert + Single-pane
Sealing Out Drafts & Heat	.5 CFM-Very Drafty	.1 to .3 CFM	.024 CFM
Thermal Insulation (R-Value)	R-1.0	R-2.0	R-1.87 94% of Standard Double-pane
Noise Reduction	Baseline	20%-30% Reduction from Single-pane	50%-70% Reduction from Single-pane
Lead	No Issues	EPA lead containment regulations apply	No Issues
Visible Light Transmittance	90%	51% to 81%	57.5% to 81%
Solar Heat Gain Coefficient	.86	.42 to .75	.49 to .75

Indow insert + single-pane performance numbers are from independent testing conducted by Portland State University's Green Building Research Lab. Actual performance will vary depending on the condition of the single-pane window and its frame depth.

## ACRYLIC TYPES

All types come with Compression Tube color options: brown, warm white and black. Custom colors are available for large commercial orders. Call to inquire.

**Standard Grade (STD)** Our baseline product. The clear nominal 1/8" thick acrylic panel provides a great balance of comfort, efficiency and noise dampening at an affordable price.

**Acoustic Grade (AG)** Reduces noise coming through operable single-pane windows by 18.9 dBA, which "feels," subjectively, like a 70% reduction in noise. Reduces noise coming through double-pane windows by 10 to 12 dBA, equivalent to a 50% reduction. STC rating of 42-45 with double-pane windows. Available in Commercial Grade.

**Commercial Grade (CG)** Have an extra abrasion-resistant coating to provide additional protection against scratching (moving and frequent cleaning). Safe to use cleaners such as Windex. There is no visual difference between the Standard, Museum and Commercial Grade acrylic.

**Museum Grade (MG)** Protects furniture, carpets, and artwork by filtering 98% of all UV rays from sunlight coming through windows. There is no visual difference between the Standard, Museum and Commercial Grade acrylic.

**Sleep Panel (SP)** These panels block all light coming through your windows and provide the acoustic dampening and thermal insulation of Standard Indow inserts. Ideal for light sleepers, night-shift workers, newborns and home theater audiophiles.

**Privacy Grade (PG)** Translucent acrylic diffuses light transmission while blocking details and defined shadows. Great for bathrooms.

## MAXIMUM SIZES

**4x8** Sleep Panel, Privacy **6x8** Museum, Shade **6x8**, **5x10** Standard, Acoustic, Commercial, Commercial Acoustic. Call to inquire about larger sizes and Mullion Kits. **See Mullion Kit Product Sheet** for details. **Skylights** are limited to **2x6** or **3x3**.

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## COMPATIBILITY

In order for Indow window inserts to fit properly there must be an unobstructed flat surface perpendicular to the window pane with a depth of at least 5/8" that runs the entire perimeter of the window. We call this Frame Depth.

**Common obstructions** are inset window treatments (blinds), hardware, hooks, locks and hinges. Blinds need an extra 3/5" gap between the insert and your window frame.

**Solutions for less than 5/8" Frame Depth** In some cases, where there is less than 5/8", removing or replacing molding or installing a jamb extension can create room for the Indow inserts to fit. If the frame depth is just under 5/8", clear swivel clips (G) can be attached to the window frame to hold the Indow insert in place (see right). For complete solutions see our **Frame Fit Kit**.

## INDOW WINDOW INSERT PRODUCT FEATURES

**A. Acrylic Glazing** A custom cut pane of acrylic forms the main component of an Indow insert and is available in a variety of grades to meet performance needs.

**B. Air Space** An insulating layer of air between the existing window pane and the Indow insert. There needs to be 1/2" between the window pane and the insert, but 1-4" is better for acoustic performance.

**C. Compression Tube** Silicone tubing with an ABS carrier around the acrylic glazing creates a tight seal and holds the Indow insert firmly in place. It is impervious to heat, cold, UV radiation and maintains its spring indefinitely.

**D. Corner Cut Out** A piece of tubing cut from each corner to prevent buckling. This faces out and the corner insert exposed can be removed for more flexible adjustments.

**E. D-Ring** A pull-ring is attached 4" above the lower left corner of the insert to aid in removal. Silver d-ring used for white tubing and black d-ring used for brown and black tubing.

### Acrylic Weight (Approximate)

Nominal 1/8" = 0.72 lb./sq. ft. Nominal 1/4" = 1.45 lb./sq. ft.

## EGRESS

Indow window inserts comply with egress regulations. In an emergency, occupants should be able to quickly remove the Indow inserts. In a young child's bedroom, we recommend leaving one window bare with no insert installed.

## LARGE WINDOW MODIFICATIONS

**F. Safety Chains** are used on windows larger than 8 sq. ft. to prevent the Indow insert from falling out of the window frame in the event of high wind pressure. The Safety Chains are inconspicuously anchored to the window frame by one small screw. Safety chains are not included on some custom shaped windows.

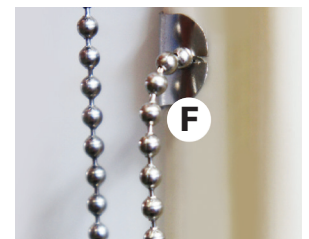
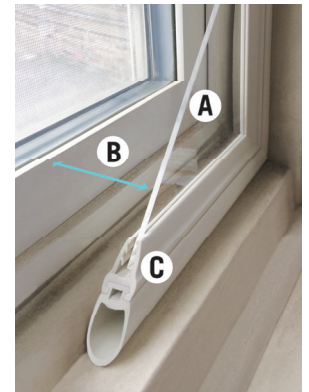
**G. Skylight Safety Hardware** is required on all skylight windows, using our swivel clips (G) or retaining pins from our **Frame Fit Kit**.

## STORAGE

Many Indow window inserts can be left in place year-round with occasional removal for cleaning. If an Indow insert is removed for an extended period, proper storage is essential. For example, do not lean the insert or store in a way that compresses the tubing. See '**Indow Care Guide**' for complete storage and product care instructions.

## MAXIMUM TEMPERATURE RANGE

Indow inserts should not be exposed to temperatures above 160°F (71°C) for continuous duration, or 180°F (82°C) for short, intermittent periods of time.



View from back of indow

