TILT-WASH DOUBLE-HUNG INSERT WINDOWS

CUSTOM SIZING
in ⅛" (3) increments

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Dimensions in parentheses are in millimeters.
FEATURES

Frame
A Fibrex® material exterior protects the frame – beautifully. Best of all, it’s low-maintenance and never needs painting.
B For exceptionally long-lasting performance, sill members are constructed with a wood core and a Fibrex® exterior. Sill ends are protected and sealed with weather-resistant covers.
C Natural wood stops are available in pine and prefinished White.
D Weatherstripping throughout the unit provides a long-lasting, energy-efficient, weather-resistant seal. For the top and bottom rails, an encased foam material is used. The head jamb liner and sill have a rigid vinyl rib that the weatherstripping material compresses against. At the check rail, compressible vinyl bulb material is used. Side jamb liners use leaf-type weatherstripping with foam inserts.
E Exterior stop covers are specially designed to allow easy application of high-quality sealant.
F Jamb liners available in white or gray are unfinished pine. Low-maintenance, prefinished White interiors are also available. Jamb joints simulate the look of traditional mortise-and-tenon construction inside and out.

Sash
Slide wash assists make it easy to tilt the sash into wash mode.
A A polyester-stabilized coat with a Flexacron® finish is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous finish.
H Wood sash members are treated with a water-repellent preservative for long-lasting protection and performance. Interior surfaces are unfinished pine. Low-maintenance prefinished White interiors are also available.
I Sash joints simulate the look of traditional mortise-and-tenon construction inside and out.

Glass
J Silicone bed glazing provides superior weathertightness and durability.
K High-performance glass options include:
• Low-E4® glass®
• Low-E4® HeatLock™ glass
• Low-E4® Sun glass
• Low-E4® SmartSun® glass
• Low-E4® SmartSun® HeatLock™ glass
Tempered glass and other glass options are available. Contact your Andersen supplier.
A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

Patterned Glass
Patterned glass options are available. See page 10 for more details.

EXTERIOR

INTERIOR

Naturally occurring variations in grain, color and texture of wood make each window one-of-a-kind. All wood interiors are unfinished unless prefinished White is specified.

HARDWARE FINISHES

DOUBISHUNG HARDWARE

OPTIONAL DOUBLE-HUNG LIFT HARDWARE™

* Visit andersenwindows.com/warranty or see your Andersen supplier for details on the 400 Series Limited Warranty.
** Hardware sold separately.
Dimensions in parentheses are in millimeters.
“Flexacron®” is a registered trademark of PPG Industries, Inc.
Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.
**Exterior Stop Cover**

An exterior stop cover provides a clean transition from new window to the existing window casing.

**Sill Angles**

Three sill angles are available — 0°, 8°, and 14° — to closely match the existing sill in window replacement applications. See page 99 for more details.

**Included Installation Materials**

Flat, self-hanging shims, backer rod, installation screws and complete instructions are included with each insert window. Measurement guide and worksheet at andersenwindows.com/measure.

**Sash Options**

Cottage Style  Reverse Cottage Style

**Sash Window Opening Control Device Kit**

A Window Opening Control Device Kit is available, which limits sash travel to less than 4" (102) when the window is first opened. Available in Stone and White. Device shown on a 400 Series Tilt-Wash Double-Hung window.

**Installation**

**Coil Stock**

Andersen® aluminum coil stock can be ordered to match any of our 11 trim colors. Made from .019-gauge aluminum, Andersen coil stock is available in 24" (610) x 50' (15,240) rolls. Color-matched stainless steel trim nails 1 1/4" (32) long are also available and can be ordered in 1 lb. or 454 gram boxes.

**Glass**

Andersen® Art Glass

Available for tilt-wash transom and picture units. Andersen art glass panels come in a variety of original patterns, including four Frank Lloyd Wright® Series designs. See pages 213-214 for details on Andersen art glass. Visit andersenwindows.com/artglass for details and pattern information.

**CAUTION:**

- Painting and staining may cause damage to rigid vinyl.
- 400 Series windows in Terratone color may be painted any color lighter than Terratone color using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting Terratone any color darker than Terratone.
- Do not paint 400 Series windows with White, Canvas, Sandtone, Forest Green, Dark Bronze or Black exterior colors.
- Creosote-based stains should not come in contact with Andersen products.
- Do not paint weatherstripping.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Andersen does not warrant the adhesion or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.

For more information about glass, patterned glass, art glass, grilles and TruScene® insect screen see pages 10-17.

For more information about product performance, installation accessories and warranty see pages 269-291 or visit andersenwindows.com.

* Shown on 400 Series Tilt-Wash double-hung full-frame windows. Dimensions in parentheses are in millimeters.

“Frank Lloyd Wright” is a registered trademark of the Frank Lloyd Wright Foundation.
TILT-WASH DOUBLE-HUNG INSERT WINDOWS

Tilt-Wash Double-Hung Insert Window Sizes

Tilt-Wash Double-Hung Insert Window Specification Formulas

Tilt-Wash Picture and Transom Insert Window Specifications

Optional Estate™ hardware will reduce vent opening height by 7/32" (6).

For clear opening specifications, contact your Andersen supplier.

Dimensions in parentheses are in millimeters.

Clear Opening formulas provide dimensions for determining area available for egress. Vent Opening formulas provide dimensions for determining area available for passage of air.

Unobstructed Glass (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for insert windows.
**Existing Window Measurements**

Required measurements:

1. **Existing Opening Height**
2. **Existing Sill Angle**
3. **Existing Opening Width**

![Diagram of Existing Window Measurements]

**Sill Angle Details**

Scale 3” (76) = 1’-0” (305) – 1:4

Select a sill angle that most closely matches your existing sill angle. Windows with a smaller sill angle will have a larger maximum height.

![Diagram of Sill Angle Details]

- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for insert windows.
Grille Patterns

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<td>Double-Hung Insert</td>
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Double-hung window patterns are also available in Upper Sash Only (USO) configurations. For picture window patterns that require alignment with double-hung patterns, identify the sash style (equal, cottage, reverse cottage) when ordering. Number of lights and overall pattern varies with window size. Patterns are not available in all configurations. For more information on divided light see page 11 or visit andersenwindows.com/grilles.

Tilt-Wash Double-Hung Insert Window Details
Scale 1 1/2" (38) – 1'-0" (305) – 1:8

Joining Combinations
Join insert windows in 1-way combinations horizontally or vertically.
Do not join insert windows in 2-way combinations.

Vertical (ribbon) Joining Detail
Scale 1 1/2" (38) – 1'-0" (305) – 1:8

For more joining information see the combination designs section starting on page 255.

*Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
*Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
*Dimensions in parentheses are in millimeters.
*Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for insert windows.