

UCLA Luskin Conference Center . Hornberger + Worstell . Bohlin Cywinski Jackson . Photo Credit: Matthew Millmar





INVENTTM

FIXED AND PROJECTED WINDOWS AND WINDOW WALL

The Wausau Window and Wall Systems® INvent product family provides a proven chassis with the breadth of options necessary to meet the needs of design professionals nationwide. All INvent Series products are available in a variety of frame depths to optimize span versus wind load resistance, and are tested to meet stringent AAMA Architectural Window AW 100 Performance Class requirements.

Our designers, engineers and technicians ensure system performance, aesthetics, durability, ease of installation and building comfort.

Wausau supports your sustainable design goals, and our reputation for workmanship is backed by an industry-leading warranty of up to 10 years.



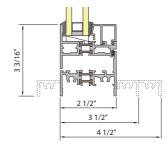






2250i . 3250i . 4250i 4250i-OS Offset INvent

Wausau's standard high-performance projected window product line



- 2-1/2", 3-1/2" and 4-1/2" frame depth with polyamide thermal barrier
- AAMA AW-100 Architectural Performance Class
- Fixed, project-in hopper, project-out awning, or casement
- Integral blinds with access doors available
- 1/8" wall thickness at hardware attachments
- Multi-lock hardware option for improved accessibility
- High recycled aluminum content, choice of 30,000 finish colors, including two-color option

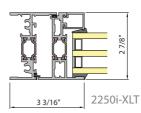
Allowable Air	Water	NFRC U-Factor	CRF _f	STC OITC
0.10 cfm/sqft at 6.24 psf	15 psf	0.34 to 0.64 BTU/hr.sqft.°F	46 to 65	32 to 42 28 to 35

Test results may vary

Production line sampling, with inspection and water testing prior to shipment, helps ensure real-world performance equal to the laboratory.

INvent-XLT

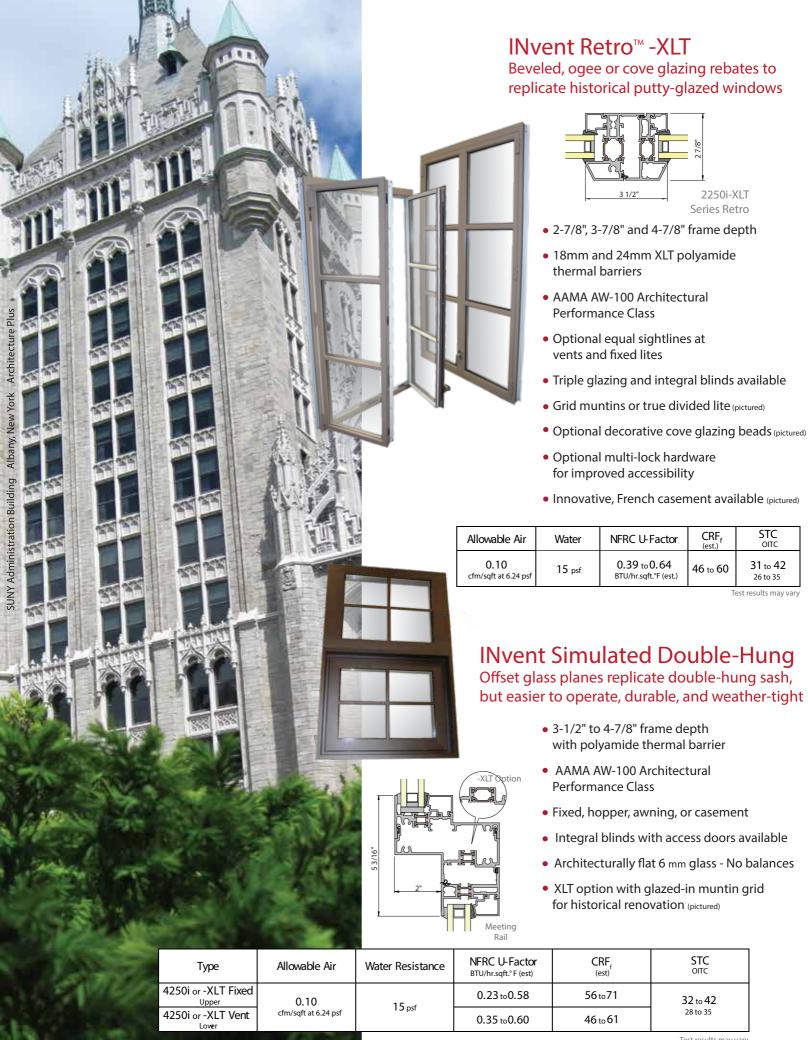
Superior energy efficiency and condensation resistance





- 2-7/8", 3-7/8" and 4-7/8" frame depth
- XLT option features extra-wide polyamide thermal barrier
- AW-100 rating Accepts triple glazing
- Glazed-in muntin grid option for historical renovation

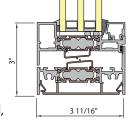
Allowable Air	Water	NFRC U-Factor	CRF _f	STC OITC
0.10 cfm/sqft at 6.24 psf	15 psf	0.21 to 0.60 BTU/hr.sqft.°F	59 to 68	32 to 42 28 to 35



INvent.PLUS 2250i-XP

European benchmark thermal performance -Designed for U.S. architectural preferences

- Best-in-class NFRC U-Factors as low as 0.16 BTU/hr.sqft.°F (fixed) and 0.20 BTU/hr.sqft.°F (operable)
- AAMA AW-100 Architectural Performance Class
- 3-11/16" frame depth with 44 mm polyamide thermal barrier and foam cavity fillers
- Incorporates engineered polymers and aluminum extrusions where their inherent material properties are best suited
- Narrow sightlines and flush, convection-baffled, operable vents
- Fixed; in- or out-swing casement; top-hinged, hopper or awning vents (detail)
- 1" exterior glass offset complements curtainwall and storefront systems
- Heavy butt hinges or concealed, stainless steel, four-bar friction hinges easily carry triple glazing



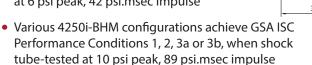
Allowable Air	Water	NFRC U-Factor	CRF _f	STC OITC
0.10 cfm/sqft at 6.24 psf	15 psf	0.16 to 0.51 BTU/hr.sqft.°F	46 to 65	32 to 42 28 to 35

Performance can vary with glass and hardware package selected. Minimum vent sizes apply for certain hardware packages

INvent-HP and -BHM

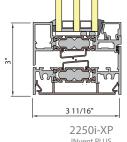
Hurricane Impact and Blast Hazard-Mitigating Fixed and Operable Windows

- 2-1/2" to 4-7/8" frame depth
- Fixed, awning, or casement; integral blinds with access doors available
- Multi-lock hardware option
- Large "D" missile and essential facilities "E" missile impact-tested to ASTM E1996 and Miami-Dade TAS protocols for Wind Zones 1-4 including HVHZs
- Various 2250i and 3250i-BHM configurations achieve ASTM F1642 "Minimal Hazard" or "No Hazard" rating when shock tube-tested at 6 psi peak, 42 psi.msec impulse

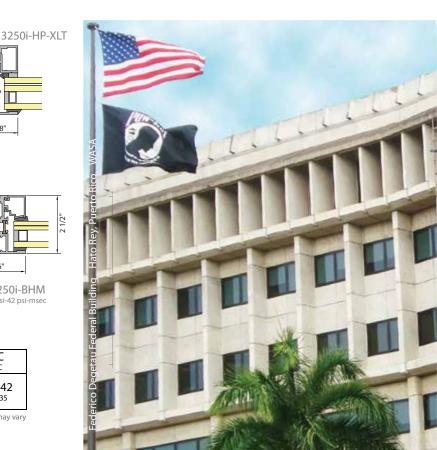


3 7/8"

Allowable Air	Water	NFRC U-Factor	CRF _f	STC OITC
0.10 cfm/sqft at 6.24 psf	15 psf	0.34 to 0.64 BTU/hr.sgft.°F	46 to 65	32 to 42 28 to 35







Test results may vary

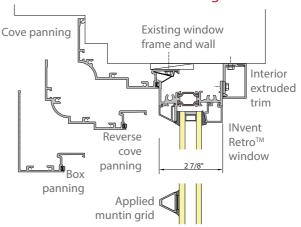
2250i-BHM

6 psi-42 psi-msec



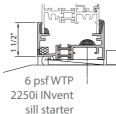
Window Replacement

Panning and Muntin Grids



Removal of existing operable sash only, leaving frames in place, speeds installation and minimizes disruption. Extruded aluminum "panning" prepares the opening.

Muntins are available as true divided lites, glazed-in grids, silicone-applied or between-glass muntins.



Ease of Installation

Receptors and Anchors

All INvent Series products are available with the same consistent family of accessories, to minimize installation time, and help ensure field quality control.

Window Hardware

For Occupant or Custodial Operation "ADA" Accessibility Options

Roto Operation Torrell Linear Ope

Between-Glass Blinds Low maintenance and glare control

- Available with 1" or 5/8" aluminum slats in 16 standard colors
- Occupant privacy and glare tilt control with slip-clutch feature
- Concealed raise-lower cords for uniform exterior appearance
- Hinged interior doors for custodial access
- Dual- or triple-glazed options for control of solar heat gain



INvent™ fixed and projected windows may be finished in a color palette of more than 30,000 choices, including new copper anodize. Polyamide thermal barriers facilitate different interior and exterior frame finishes. Liquid or powder paint coatings are applied using VOC-free processes. The frosty, matte finish of eco-friendly anodize is ideal for Wausau's high recycled content aluminum framing.



ADA Accessibility for Windows

Wausau's accessible projected windows are laboratory-proven capable of operating with one hand using a force of five pounds or less, to unlock, open, close, and lock, without tight grasping, pinching or twisting of the wrist.

- All INvent™ Series and the 4250-Z Zero Sightline Series
- Project-out awning, in-swing or out-swing casement
- AAMA Architectural AW-100 Performance Class
- No reductions in air, water or structural performance for laboratory testing of accessible vents





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