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**EFCO INvent.PLUS Window Series helps today’s buildings achieve tomorrow’s energy codes and enhance modern aesthetics**

Wausau, Wisconsin (Sept. 2024) – Helping commercial, institutional and multifamily buildings achieve tomorrow’s energy codes today, EFCO INvent.PLUS Window Series products are engineered to deliver best-in-class thermal performance and enhance modern aesthetics with narrow sightlines. This product series includes fixed, awning, hopper and casement windows by EFCO, a brand of Apogee Enterprises’ Architectural Framing Systems segment.

Three frame depths for EFCO INvent.PLUS Window Series are available: 2250i-XP is 3-11/16 inches deep, 3250i-XP is 4-11/16 inches deep and 4250i-XP is 5-11/16 inches deep. A range of window sizes accommodate double- and triple-pane insulating glass units (IGUs).

EFCO INvent.PLUS Window Series products are manufactured using an innovative composite framing that combines 45% aluminum extrusions and 55% engineered polymers. The framing incorporates extra-wide 44mm glass fiber-reinforced, polyamide thermal barriers and non-outgassing polyolefin cavity fillers. The thermally broken frames minimize heat transfer, enhancing the building envelope’s energy efficiency and helping keep interior temperatures consistently comfortable.

Low U-values (high R-values) also allow broad expanses of vision glass, while complying with the model energy codes. For maximum thermal performance and condensation resistance, EFCO INvent.PLUS Window Series operable products with triple IGUs achieve NFRC U-values as low as 0.23; and Condensation Resistance Factors (CRF) up to 78. Fixed windows with triple IGUs provide NFRC U-values as low as 0.18; and CRF up to 74.

High-performance EFCO INvent.PLUS Window Series products are AAMA AW-100 Architectural Performance Class rated, including life cycle testing. EFCO window products are backed with up to a 10-year limited warranty, one of longest and most comprehensive in the industry.

Along with their high performance, the EFCO INvent.PLUS Window Series’ narrow sightlines and flush, convection-baffled operable vents present a clean, contemporary appearance. The square 1-inch offset exterior glazing rebates further complement curtainwall and storefront profiles. Design options include three types of historically styled muntin grids, a broad assortment of panning, two sizes of between-glass blinds, a choice of hardware and a vast selection of finishes.

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EFCO INvent.PLUS Window Series products also improve and simplify installation. Glazing contractors can request one of three installation methods: strap anchors, starters or through frame. Caulk backers are small enough to fit under the anchors and the anti-buckle clips easily snap onto the leg. Heavy butt hinges or concealed, stainless steel, four-bar friction hinges carry triple glazing with ease.

Once installed, EFCO INvent.PLUS Window Series operable products also allow for natural ventilation, assisting with buildings’ energy savings when included as part of a facility’s HVAC design. In addition, natural ventilation enhances indoor air quality and occupant comfort and wellbeing. Minimizing the opportunity for mold and mildew growth due to condensation, also supports healthy interiors.

Meeting tenant needs and building requirements, EFCO INvent.PLUS Window Series products also are engineered and verified for structural integrity; air, water and forced entry resistance; and low sound transmission. Acoustic performance is tested to attain Sound Transmission Class ratings of 37 to 39 and Outdoor-Indoor Transmission Class of 31. With fixed and closed windows, occupants can concentrate, relax and enjoy their quiet interiors.

Contributing to architectural design flexibility and industry-leading durability, EFCO products can be finished in a nearly unlimited palette of painted coatings or in anodized metallic tones. With dual finish options, different finish types and colors can be specified for interior and exterior surfaces. EFCO’s selection of high-performance architectural finishes have been tested to withstand salt spray, as needed for coastal conditions.

Longevity of the finishes, recyclability of the aluminum framing and other energy-efficient, environmentally sensitive attributes may aid buildings seeking certification under the U.S. Green Building Council’s LEED® Green Building Rating System and other sustainability and wellness programs.

Drawing from 70 years of experience, EFCO provides dedicated service and support before, during and after construction. As a single-source supplier, Apogee’s Architectural Framing Systems segment offers improved cost savings, enhanced quality control and shortened project lead times on EFCO products. EFCO can extrude, fabricate, finish, assemble and glaze aluminum-framed systems under factory-controlled with in-house quality assurance to meet aesthetic and performance specifications.

EFCO is a brand of Apogee Enterprises’ Architectural Framing Systems segment. To learn more about EFCO high-performance windows and products, please visit [www.efcocorp.com](https://www.efcocorp.com/), call 800-221-4169 or contact a [local sales representative.](https://efcocorp.com/rep/search)

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