Phantom 4000 CW Vents

Cost effective, zero sightline operable insert

Let fresh air into the building using natural ventilation with Tubelite's Phantom 4000 Series Windows. These operable windows are engineered to complement and seamlessly integrate within mid- to high-rise commercial buildings' storefront, curtainwall, and window wall systems.

These architectural rated windows have a frame depth of 3-1/2" (88.9mm) for dual glazed IGU's with mitered/sealed corners and crimped on an "L" shaped clip. Maximum sizes up to 36-1/4" (921mm) x 60-1/4" (1530mm) with Euro MPL.

Phantom 4000 CW Vents are tested to meet CW Architectural Performance Class, the most stringent performance and durability requirements of North American Fenestration Standard /Specification for windows, doors, and skylights (NAFS-21) plus the AAMA/WDMA/CSA 101/I.S.2/A440-19 Canadian supplement. This industry standard includes highperformance criteria for air, water and structural integrity, lifecycle testing to 4,000 operating cycles.

Thermeson

HIGH PERFORMANCE THERMAL FRAMING

400TU Curtainwall

ALSO USED WITH

T24650 Storefront



LEADERS IN ECO-EFFICIENT STOREFRONT, CURTAINWALL AND ENTRANCE SYSTEMS

SSA IS

Phantom 4000 CW Vent





Window Wall Installation

Storefront Installation

System Features:

- Integrates with storefront using pocket filler.
- Adjustable hardware.
- Hardware is available in painted gray (silver) and black.
- White painted hardware is optional (special order, extended lead time).
- Can be integrated in 400T, 400SS and 400TU curtain wall systems.
- Open-out (Awning & Casement) window options.
- Polyamide thermal break provides u-factor of 0.48 (Dual Glazed) and permits two-color interior/exterior finishes.
- Linear handles with Roto operator or "Euro-Groove" multi-point locking options



Curtainwall Installation

Curtainwall SSG Installation

FRAME SIZE

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- Multi-chambered rain screen, pressure equalized design
- Includes EPDM setting blocks
- Optional screens available in fiberglass or aluminum (wickets option available).
- Factory-fabricated only for 2-year standard warranty (can be extended to 5-year).
- Can be integrated in 900T/TU window wall and E14000 I/O*, T14000 I/O* and E/T24650. *Outboard plane only

Phantom 4000 CW Vent	Awning	Casement
Application	Project Out	
Frame Joints	Windows use mitered corners with crimped clips and small joint sealant	
Window Joints	Windows use mitered corners with crimped clips and small joint sealant	
Glass Thickness	1"[25.4mm], 1 1/16"[27mm]	
Face Width	0 Siteline	
Frame Depth	3-1/2" (88.9mm)	
Hardware	Please see Installation Manuals for available hardware configuration offerings and finishes.	
ASTM E331 AND E547 Uniform and Cyclic Static Water	15 PSF	
U-Factor*	0.44	0.42
Air Infiltration and Exfiltration @6.27 psf	0.005 cfm/ft ² @ 6.27 psf	
AAMA/WDMA/CSA 101 I.5.2/A440-17, NAFS Testing	Class CW-PG70**	
CRF (AAMA 1503-2010)	66 CRFf, 69 CRFg	67 CRFf, 68 CRFg
ASTM F588	Grade 40	
* I LEastor per NEPC 100 Refer to the I L/alue table at: www.tubeliteur.com/oroduct/operable-windows/ ** (26" x 60")		

* U-Factor per NFRC 100. Refer to the U-Value table at: www.tubeliteusa.com/products/operable-windows/

** (36" x 60")

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