

WINDOW WALL 6000 SERIES

RELIABILITY AND EXCEEDING
STANDARDS HAS MADE
OUR REPUTATION FOR
OVER 60 YEARS

**PREVOST**
ARCHITECTURAL
ALUMINUM

**NEW
GENERATION
OF BUILDING
ENVELOPE
SYSTEM**

PREVOST-ARCHITECTURAL.COM



Photo: Devimco - Maestri Condominiums

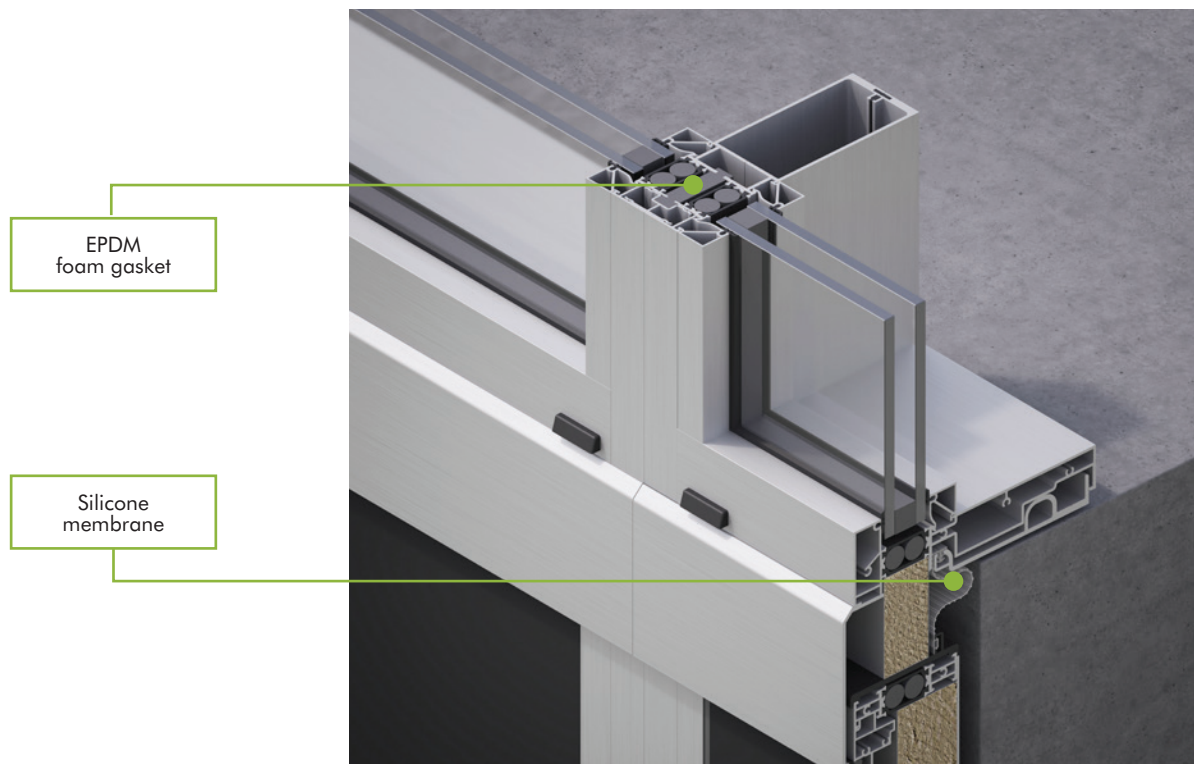


Photo: Antoine Meunier – Le Mont

AN INNOVATIVE AND REVOLUTIONARY PRODUCT

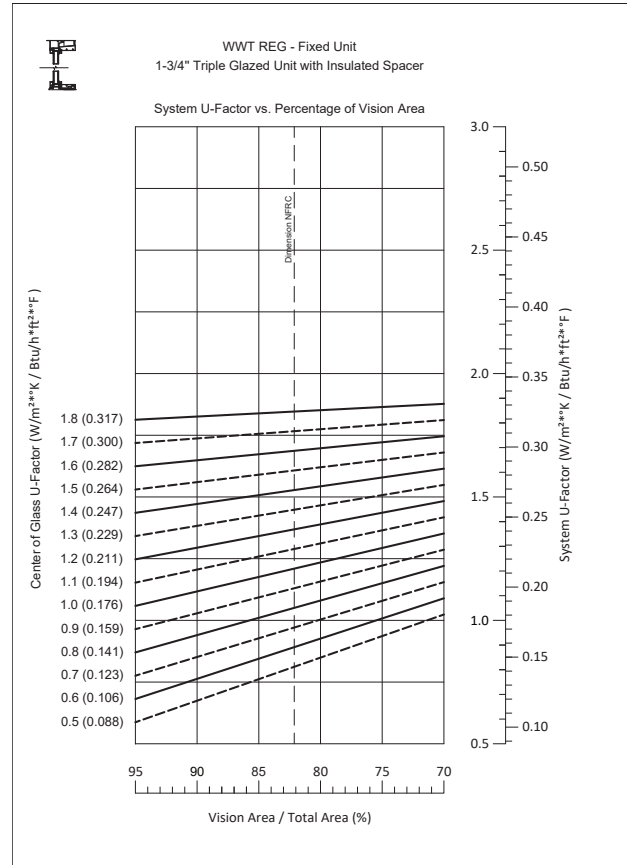
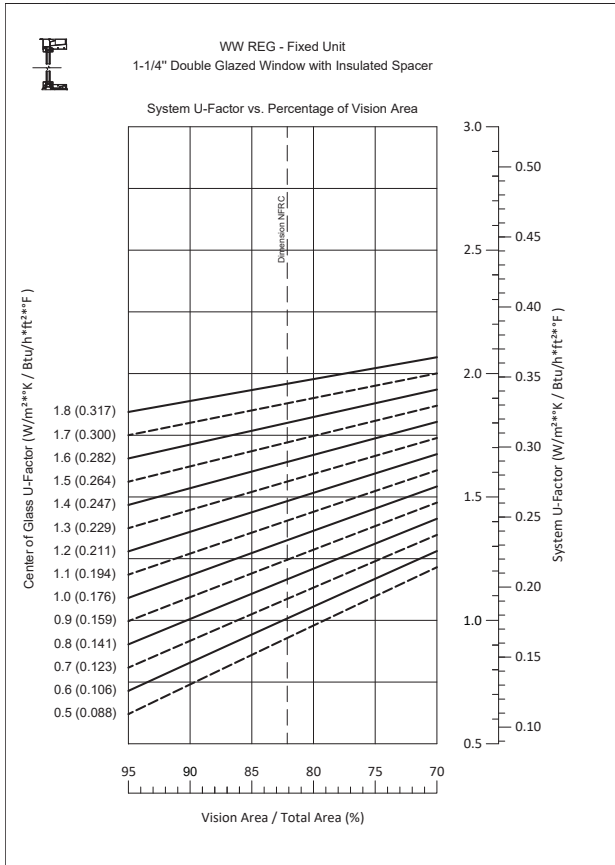
- Water and air tightness ensured by long-lasting dry-sealed elements instead of standard sealant – watertight at B20 while industry standard is B5
- Best-in-class thermal performance and design eliminating sound propagation as each module is isolated with sound dampening material barriers
- Industry-leading installation time. No external cranes or scaffolding required. Fully installed from the interior and offers a wide adjustment capability
- Can be installed in all 4 seasons and sheltered from bad weather
- Innovative product that combines the look, the design flexibility, and structural properties of curtain wall in addition to offering a great ease of installation
- Easy replacement of the glazing from the inside or the outside
- Several configuration options give more design freedom:
 - Spandrel panels with glass, shadowbox, and metal panel designs
 - Integration of operable vents, terrace doors, sliding doors as well as louvers
 - Back-bone conception allowing to switch to any product configuration including double to triple glazing

PERFORMANCES OVERVIEW



- Air tightness (Qinf/exf)
 - 0.005 L/s•m² @ 75 Pa
 - 0.017 L/s•m² @ 300 Pa
- Water tightness B20
- Structural resistance
 - CP80 (1828 mm x 3048 mm module)
 - Oversized modules available (up to 1950 mm width by 4572 mm height)
- No pocket anchor is required in the concrete slab
- Exceptional latitude adjustment of ±38 mm total:
 - ±19 mm deflection of concrete slabs
 - ±19 mm manufacturing tolerance of slabs, which reduces the risk and delay of corrective repairs on site

WINDOW WALL 6000 SERIES



- Double glazing WW system Overall U-Value of $1.64 W/m^2 \cdot ^\circ K$ (or $0.288 Btu/h \cdot ft^2 \cdot ^\circ F$)
 - Using glass U-Value of $1.40 W/m^2 \cdot ^\circ K$ (or $0.247 Btu/h \cdot ft^2 \cdot ^\circ F$)
 - NFRC dimensions of WW specimen - 2000 mm x 2000 mm
- Triple glazing WW system Overall U-Value of $0.97 W/m^2 \cdot ^\circ K$ (or $0.171 Btu/h \cdot ft^2 \cdot ^\circ F$)
 - Using glass U-Value of $0.70 W/m^2 \cdot ^\circ K$ (or $0.123 Btu/h \cdot ft^2 \cdot ^\circ F$)
 - NFRC dimensions of WW specimen - 2000 mm x 2000 mm
- Blind wall modules can achieve a thermal effective resistance of more than R20
 - Depending on average module width and isolation thickness

For more information on our graphs or its proper use, please consult our website at www.prevost-architectural.com or contact our technical support team at tech-aide@prevost-architectural.com

WINDOW WALL 6000 SERIES

ENERGY EFFICIENCY

PRODUCT DESIGNED TO OBTAIN BEST IN CLASS ENERGY EFFICIENCY

- Triple glazing thermal break
- Aluminum mass located inside is designed to achieve a better condensation index similar to curtain wall
- Thermal resistance calculated through numerical simulation
- Thermal performances of $1.64 \text{ W/m}^2\cdot\text{°K}$ using standard IGU: 32 mm 6-6, Low-E face #2, argon



ACOUSTIC PERFORMANCES

SEGMENTATION BETWEEN EACH MODULE PREVENTS SOUND PROPAGATION BETWEEN FLOORS AND APARTMENTS

- Segmentation of the modules is ensured by the integration of EPDM gaskets
- Sound abatement material used such as rock wool insulation is also a key factor in the reduction of sound propagation
- Standard 32 mm thick glazing (STC 38) increasing acoustical abatement

FLEXIBILITY OF DESIGN

- Easy to integrate Prevost's products: operable vents, phantom vents, terrace doors and sliding doors
- Spandrel panels can accommodate aluminum panels, monolithic or double glass or other material upon request
- Backbone design capable of integrating double, triple, or mixed glazing within the same project

Our team of experts can provide support in design to reduce total costs and increase thermal envelope performances.

A NEW GENERATION OF WINDOW WALL THE SERIES 6000

THE MOST INNOVATIVE AND EFFICIENT IN THE INDUSTRY

- Flawless water barrier ensured by dry seals
- Thermal performance beyond standards
- Quick and easy installation, in any season
- Straight aesthetics, similar to that of a curtain wall
- Greater brightness thanks to a larger glass surface, even in the corners
- Several configuration options allow great flexibility



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