



ALUMINUM SECTION

PERFORMANCE RECORD



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TILT & TURN WINDOW IN ALUMINUM (PURE SERIES) – REFERENCE STANDARDS

1 OUR PRODUCTS ARE CERTIFIED ACCORDING TO THE FOLLOWING STANDARDS:

1.1 AAMA/WDMA/CSA 101/IS2/A440-17 - Windows, doors and skylights

Double sealed unit:

AW- CP50 / Dimensions tested 1524 mm x 2502 mm (60" x 99") – DAW

Triple sealed unit:

CW- CP40 / Dimensions tested 1220 mm x 2438 mm (48" x 96") – DAW

1.2 CSA A440S1-17 - Canadian supplement

Double sealed unit:

Positive design pressure (PC) = 2400 Pa (50.13 lbs/ft²)

Negative design pressure (PC) = -2400 Pa (-50.13 lb/ft²)

Water penetration resistance test pressure = 720 Pa (15,04lb/ft²)

Canadian air infiltration/exfiltration level = A3 level

Triple sealed unit:

Positive design pressure (PC) = 1920 Pa (40.10lb/ft²)

Negative design pressure (PC) = 1920 Pa (-40.10lb/ft²)

Water penetration resistance test pressure = 720 Pa (15,04lb/ft²)

Canadian air infiltration/exfiltration level = A3 level

1.3 CAN/CSA-A440.2-14 - Energy efficiency of windows * :

Simulation dimensions: 1200mm x 1500mm

Double sealed unit:

Energy efficiency: RE 30 to RE 32

U global (U window): 1.79 w/m²-k to 1.91 w/m²-k

CGCS (SHGC): 0.53 to 0.55



Triple sealed unit:

Energy efficiency: RE 37 à 39

U global (U window): 1.22 w/m²-k à 1.27 w/m²-k

CGCS (SHGC): 0.43 à 0.45



* Performance achieved without grilles with low emissivity film resulting in high solar gain
ENERGY STAR Certified

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2 OUR PRODUCTS ARE CERTIFIED ACCORDING TO THE FOLLOWING STANDARDS:

- 2.1 ASTM F1233-08 – Test method for security glazing materials and systems.
- 2.2 CAN/ONGC 12.8 (IGMA) – Insulating glass manufacturers alliance.
- 2.3 CAN/CGSB-12.20-MS9 – Window glass calculation rule for buildings.
- 2.4 CAN/CGSB-12.8-M97 – Insulating glazing.

3 OUR MATERIALS ARE CERTIFIED ACCORDING TO THE FOLLOWING STANDARDS:

- 3.1 Aluminum (non-combustible material) / ASTM B 221 - Standard specification for aluminum and aluminum - alloy extruded bars, rods, wire, profiles and tubes
- 3.2 CAN/CGSB-12.1-M90 - Tempered or laminated safety glass.
- 3.3 CAN/CGSB-12.3-M91 - Float glass, flat and clear.
- 3.4 CAN / CGSB-12.11-M90 - Reinforced safety glass.
- 3.5 CAN / CGSB-12.13-M91 - Patterned glass.