



ALUMINIUM 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/A440-11 – Windows, doors and skylights

**Double sealed unit :**

CW- CP45 / Dimensions tested 1219 mm x 1803 mm (48" x 71") – DAW

**Triple sealed unit :**

CW- CP35 / Dimensions tested 1219 mm x 2438 mm (48" x 96") – DAW

- 1.2 CSA A440S1-17 - Supplément canadien

**Double sealed unit :**

Positive design pressure (PC) = 2160 Pa (45lb/pi<sup>2</sup>)

Négative design pressure (PC) = -2160 Pa (-45lb/pi<sup>2</sup>)

Water penetration resistance test pressure = 510 Pa (10,5lb/pi<sup>2</sup>)

Canadian air infiltration/exfiltration level = A3 level

**Triple sealed unit :**

Positive design pressure (PC) = 1680 Pa (35lb/pi<sup>2</sup>)

Négative design pressure (PC) = -1680 Pa (-35lb/pi<sup>2</sup>)

Water penetration resistance test pressure = 720 Pa (10,5lb/pi<sup>2</sup>)

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/m<sup>2</sup>-k to 1,91 w/m<sup>2</sup>-k\*

CGCS (SHGC) : 0,53 à 0,55\*

⊕ **Triple sealed unit:**

Energy efficiency: RE 37 à 39\*

U global (U window): 1,22 w/m<sup>2</sup>-k à 1,27 w/m<sup>2</sup>-k \*

CGCS (SHGC) : 0,43 à 0,45\*

\* Performance obtained without tile

⊕ 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 – Insulated 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-12.11-M90 – Reinforced safety glass
- 3.3 CAN/CGSB-12.13-M91 – Patterned glass.
- 3.4 CAN/CGSB-12.1-M90 – Tempered or laminated safety glass.
- 3.5 CAN/CGSB-12.3-M91 – Float glass, flat and clear.