



ALUMINUM SECTION

# PERFORMANCE RECORD



THE SPECIFICATIONS OF THE PROJECT WILL  
DETERMINE THE CHOICE OF GLAZING.  
ENERGY PERFORMANCE VARY DEPENDING  
ON SUPPLIER'S CHOICE

PERFORMANCE RECORD

## FIXED 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- CP100 / Dimensions tested 1829 mm x 1829 mm (72" x 72") – FW

**Triple sealed unit:**

CW- CP80 / Dimensions tested 2134 mm x 2134 mm (84" x 84") – FW

#### 1.2 CSA A440S1-17 - Canadian supplement

**Double sealed unit:**

Positive design pressure (PC) = 4800 Pa (100lb/ft<sup>2</sup>)

Negative design pressure (PC) = -4800 Pa (-100lb/ft<sup>2</sup>)

Water penetration resistance test pressure = 730 Pa (15lb/ft<sup>2</sup>)

Canadian air infiltration/exfiltration level = Fixed level

**Triple sealed unit:**

Positive design pressure (PC) = 3840 Pa (80lb/ft<sup>2</sup>)

Negative design pressure (PC) = -3840 Pa (-80lb/ft<sup>2</sup>)

Water penetration resistance test pressure = 720 Pa (15lb/ft<sup>2</sup>)

Canadian air infiltration/exfiltration level = Fixed level

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

Simulation dimensions: 1200mm x 1500mm



**Double sealed unit:**

Energy efficiency: RE 35 to RE 36\*

U global (U window): 1.78 w/m<sup>2</sup>-k to 1.82 w/m<sup>2</sup>-k \*

CGCS (SHGC): 0.55 to 0.62



**Triple sealed unit:**

Energy efficiency: RE 43 à 45\*

U global (U window): 1.09 w/m<sup>2</sup>-k à 1.13 w/m<sup>2</sup>-k\*

CGCS (SHGC): 0.48 à 0.50\*



\* Performance obtained without tile  
ENERGY STAR Certified



FABELTA  
systèmes de fenestration



## **FIXED WINDOW IN ALUMINUM (PURE SERIES) – REFERENCE STANDARDS**

### **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.