



ALUMINUM SECTION

# PERFORMANCE RECORD



## ALUMINUM WINDOW (ALLURE) - REFERENCE STANDARDS

### 1 OUR PRODUCTS ARE CERTIFIED ACCORDING TO THE FOLLOWING STANDARDS:

#### 1.1 AAMA/WDMA/CSA 101/I.S.2/A440-17 - Windows, doors and skylights

**Outer casement:**

CW-CP75: Tested Size 816 x 1600mm (32 x 63 in.) - C

**Exterior awning:**

CW-CP80: Tested Size 1220 x 813mm (48 x 32 in.) - AP

**Fixed:**

CW-CP100: Tested size 2134 x 2134mm (84 x 84 in.) - FW

#### 1.2 CSA A440S1-19 - Canadian Supplement

**Outer casement:**

Positive Design Pressure (PC) = 3600 Pa (75 lbs/ft<sup>2</sup>)

Negative Design Pressure (PC) = -3600 Pa (-75 lbs/ft<sup>2</sup>)

Water Penetration Resistance Test Pressure = 720 Pa (15 lbs/ft<sup>2</sup>)

Canadian Air Infiltration / Exfiltration Level = Level A3

**Exterior awning:**

Positive Design Pressure (PC) = 3840 Pa (80 lbs/ft<sup>2</sup>) Negative

Design Pressure (PC) = -3840 Pa (-80 lbs/ft<sup>2</sup>)

Water Penetration Resistance Test Pressure = 720 Pa (15 lbs/ft<sup>2</sup>) Canadian Air

Infiltration / Exfiltration Level = Level A3

**Fixed:**

Positive Design Pressure (PC) = 4800 Pa (100 lbs/ft<sup>2</sup>)

Negative Design Pressure (PC) = -4800 Pa (-100 lbs/ft<sup>2</sup>)

Water Penetration Resistance Test Pressure = 720 Pa (15 lbs/ft<sup>2</sup>)

Canadian Air Infiltration / Exfiltration Level = Fixed Level

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## ALUMINUM WINDOW (ALLURE) - REFERENCE STANDARDS

### 1.3 CAN/CSA-A440.2-19 - Energy Performance of Windows

#### DOUBLE GLASS:

##### **Outer casement:**

Simulation size: 600 x 1500mm

Energy yield double glass: RE 29\*

Overall U (U window) = 1.78 W/m<sup>2</sup>-K\*

CGCS (SHGC) = 0.48\*

##### **Exterior awning:**

Simulation size: 1500 x 600mm

Energy Efficiency Double Glass: RE 29\*

Overall U (U window) = 1.79 W/m<sup>2</sup>-K\*

CGCS (SHGC) = 0.48\*



##### **Fixed:**

Simulation size: 1200 x 1500mm

Double Glass Energy Yield: RE 40 to RE 42\*

Overall U (U window) = 1.65 W/m<sup>2</sup>-K to 1.73 W/m<sup>2</sup>-K\*

CGCS (SHGC) = 0.66\*

#### TRIPLE GLASS:



##### **Outer casement:**

Simulation size: 600 x 1500mm

Energy yield double glass: RE 25 to RE 35\*

Overall U (U window) = 1.17 W/m<sup>2</sup>-K to 1.24 W/m<sup>2</sup>-K\*

CGCS (SHGC) = 0.19 to 0.39\*



##### **Exterior awning:**

Simulation size: 1500 x 600mm

Energy Efficiency Double Glass: RE 25 to RE 35\*

Overall U (U window) = 1.16 W/m<sup>2</sup>-K to 1.24 W/m<sup>2</sup>-K\*

CGCS (SHGC) = 0.19 to 0.39\*



##### **Fixed:**

Simulation size: 1200 x 1500mm

Double Glass Energy Yield: RE 49 to RE 51\*

Overall U (U window) = 0.90 W/m<sup>2</sup>-K to 1.96 W/m<sup>2</sup>-K\*

CGCS (SHGC) = 0.52 to 0.54\*

\* Performance obtained without tile



ENERGY STAR Certified

## ALUMINUM WINDOW (ALLURE) - 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
- 2.1 CAN/CGSB-12.20-M89 - Window Glass Design Rule for Buildings
- 2.2 CAN/CGSB-12.8-M97 - Insulating Glass Unit
- 2.3 CAN/CGSB-79.1-M91 - Insect Screens

### 3 OUR PRODUCTS ARE CERTIFIED ACCORDING TO THE FOLLOWING STANDARDS:

- 3.1 Aluminum (incombustible material)/ASTM B221 – Standard specification for aluminum and aluminum-alloy extruded bars, rods, wiew, profiles and tube
- 3.2 ASTM D-4726-02 – Standard specification for rigid polyvinyl chloride (PVC) exterior-profile extrusions used for assembled windows and doors.
- 3.3 CAN/CGSB-12.1-M90 - Tempered or Laminated Safety Glass
- 3.4 CAN/CGSB-12.3-M91 - Float Glass, Flat and Clear
- 3.5 CAN/CGSB-12.11-M90 - Wired Safety Glass
- 3.6 CAN/CGSB-12.13-M91 - Modifying Glass