



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/ft²)

Negative Design Pressure (PC) = -3600 Pa (-75 lbs/ft²)

Water Penetration Resistance Test Pressure = 720 Pa (15 lbs/ft²)

Canadian Air Infiltration / Exfiltration Level = Level A3

Exterior awning:

Positive Design Pressure (PC) = 3840 Pa (80 lbs/ft²) Negative

Design Pressure (PC) = -3840 Pa (-80 lbs/ft²)

Water Penetration Resistance Test Pressure = 720 Pa (15 lbs/ft²) Canadian Air

Infiltration / Exfiltration Level = Level A3

Fixed:

Positive Design Pressure (PC) = 4800 Pa (100 lbs/ft²)

Negative Design Pressure (PC) = -4800 Pa (-100 lbs/ft²)

Water Penetration Resistance Test Pressure = 720 Pa (15 lbs/ft²)

Canadian Air Infiltration / Exfiltration Level = Fixed Level

PERFORMANCE RECORD

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

Outer casement:

Simulation size: 600 x 1500mm

Energy yield double glass: RE 29 to RE 30*

Overall U (U window) = 1.80 W/m²-K to 1.81 W/m²-K*

CGCS (SHGC) = 0.50 to 0.51*

Exterior awning:

Simulation size: 1500 x 600mm

Energy Efficiency Double Glass: RE 29 to RE 30*

Overall U (U window) = 1.82 W/m²-K to 1.84 W/m²-K*

CGCS (SHGC) = 0.50 to 0.51*



Fixed:

Simulation size: 1200 x 1500mm

Double Glass Energy Yield: RE 40 to RE 41*

Overall U (U window) = 1.66 W/m²-K to 1.77 W/m²-K*

CGCS (SHGC) = 0.64 to 0.67*

* 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
- 2.1 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