



ALUMINUM SECTION

PERFORMANCE RECORD



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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 (100lbs/ft²)

Negative design pressure (PC) = -4800 Pa (-100lb/ft²)

Water penetration resistance test pressure = 730 Pa (15lb/ft²)

Canadian air infiltration/exfiltration level = Fixed level

Triple sealed unit:

Positive design pressure (PC) = 3840 Pa (80lb/ft²)

Negative design pressure (PC) = -3840 Pa (-80lb/ft²)

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

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/m²-k to 1.82 w/m²-k *

CGCS (SHGC): 0.55 to 0.62



Triple sealed unit:

Energy efficiency: RE 43 à 45*

U global (U window): 1.09 w/m²-k à 1.13 w/m²-k*

CGCS (SHGC): 0.48 à 0.50*



* 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 – 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.