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ALUMINUM SECTION

PERFORMANCE RECORD

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TILT AND TURN WINDOW IN ALUMINUM (PURE SERIES) – REFERENCE STANDARDS

1 OUR PRODUCTS ARE CERTIFIED ACCORDING TO THE FOLLOWING STANDARDS:

1.1 AAMA/WDMA/CSA101/I.S.2/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 - Canadian supplement

Double sealed unit:

Positive design pressure (PC) = 2160 Pa (45lbs/ft²)

Negative design pressure (PC) = -2160 Pa (-45lb/ft²)

Water penetration resistance test pressure = 510 Pa (10.5lb/ft²)

Canadian air infiltration / exfiltration level = A3 level

Triple sealed unit:

Positive design pressure (PC) = 1680 Pa (35lb/ft²)

Negative design pressure (PC) = -1680 Pa (-35lb/ft²)

Water penetration resistance test pressure = 720 Pa (10.5lb/ft²)

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/m²-k to 1.91 w/m²-k *

CGCS (SHGC): 0.53 to 0.55 *

Triple sealed unit:

Energy efficiency: RE 39*

U global (U window): 1.24 w/m²-k*

CGCS (SHGC): 0.46*

* Performance obtained without tile

ENERGY STAR Certified

TILT AND TURN 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-12.11-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.