



Certificate of Conformity

Certificate: 16244-1BP_Rev0

Master Contract: LC1230848

Project: 16244

Date Issued: August 15, 2017

Issued to: Polwins LLC.
265 Mill Road, Apt. 4B,
Staten Island, NY,
USA

Certification System Type 3
(ISO / IEC Guide 67)

The products listed below are eligible to bear the LabTest Certification Mark with adjacent indicators 'C', and the subject area as shown below.



Issued by:

A handwritten signature in blue ink, appearing to read "Kavinder Shukla".

Certification Manager

PRODUCT

- Triple System Assembly: One Balcony Door Tilt & Turn, and Two Fixed Panels (Dual-Action Side-Hinged Door and Fixed Windows)
- Performance Class/Performance Grade Rating: CW40
- Thermal simulation performed for 2 different glazing options: Double and Triple Glazed

Model Nos.:

- Model number(s) will be created according to the next following coding system: 1TTXZFY

Legend for Coding System and Energy Performance values:

1 – Tilt & Turn Panel

TT - Tilt & Turn (acronym)

X - Glazing option for Tilt & Turn (can be only one of the followings: 1, 2, 3, 4 or 5):

- Option 1: 4 ENplus/18 arg/4 Cl/18 arg/4 ENplus: U factor: 0.94; Solar Heat Gain Coefficient: 0.33; Visible Transmittance: 0.48; Air Leakage: 0.6; Energy Rating: 38.
- Option 2: 4 Climaguard 1.0/16 arg/4 Cl/16 arg/4 Climaguard 1.0: U factor: 0.89; Solar Heat Gain Coefficient: 0.23; Visible Transmittance: 0.36; Air Leakage: 0.6; Energy Rating: 34.
- Option 3: 6 Climaguard 1.0/16 arg/4 Cl/16 arg/6 Climaguard 1.0: U factor: 0.91; Solar Heat Gain Coefficient: 0.23; Visible Transmittance: 0.35; Air Leakage: 0.6; Energy Rating: 33.
- Option 4: 4 Cl/16 arg/4 ENplus: U factor: 1.45; Solar Heat Gain Coefficient: 0.40; Visible Transmittance: 0.53; Air Leakage: 0.6; Energy Rating: 31.
- Option 5: 6 Cl/16 arg/6 ENplus: U factor: 1.45; Solar Heat Gain Coefficient: 0.39; Visible Transmittance: 0.31; Air Leakage: 0.6; Energy Rating: 31.

Z - Number(s) of Fixed Panels (can be 1 or 2)

F – Fixed (acronym)

Y - Glazing option for Fixed (can be only one of the following: 1, 2, 3, 4 or 5):

- Option 1: 4 ENplus/18 arg/4 Cl/18 arg/4 ENplus: U factor: 0.87; Solar Heat Gain Coefficient: 0.39; Visible Transmittance: 0.58; Air Leakage: 0.6; Energy Rating: 43.
- Option 2: 4 Climaguard 1.0/16 arg/4 Cl/16 arg/4 Climaguard 1.0: U factor: 0.83; Solar Heat Gain Coefficient: 0.28; Visible Transmittance: 0.43; Air Leakage: 0.6; Energy Rating: 38.
- Option 3: 6 Climaguard 1.0/16 arg/4 Cl/16 arg/6 Climaguard 1.0: U factor: 0.83; Solar Heat Gain Coefficient: 0.27; Visible Transmittance: 0.42; Air Leakage: 0.6; Energy Rating: 37.
- Option 4: 4 Cl/16 arg/4 ENplus: U factor: 1.49; Solar Heat Gain Coefficient: 0.48; Visible Transmittance: 0.64; Air Leakage: 0.6; Energy Rating: 35.
- Option 5: 6 Cl/16 arg/6 ENplus: U factor: 1.48; Solar Heat Gain Coefficient: 0.47; Visible Transmittance: 0.63; Air Leakage: 0.6; Energy Rating: 35.

APPLICABLE REQUIREMENTS & SUBJECT AREA

- AAMA/WDMA/CSA 101/I.S.2/A440-11
- AAMA/WDMA/CSA 101/I.S.2/A440.2-14
- AAMA/WDMA/CSA 101/I.S.2/A440.3-14 – User Guide for CSA 101/I.S.2/A440.2-14

CONDITIONS OF ACCEPTABILITY

- Products are certified for Canadian Market only, with applicable restrictions based on Energy Star Zone Requirements

The 'C' and 'US' indicators adjacent to the LabTest Certification Mark shall signify that the product has been evaluated by an accredited laboratory to the applicable CSA and UL Standards respectively. The subject area shall be displayed with the LabTest Certification Mark to identify the Standard Number, and Revision Level.