



Certificate of Compliance

Certificate: 80165161 **Master Contract:** 303534
Project: 80192870 **Date Issued:** 01/22/2024
Issued to: GUANGZHOU APRO BUILDING MATERIAL CO., LTD
NO.9 OF 66 HUA GANG AVENUE
HUA DU DISTRICT
GUANGZHOU, Guangdong 510815
China

Attention: Jason Lau

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Lucas Yang
Lucas Yang

PRODUCTS

C802912 BUILDING PRODUCTS AND MATERIALS- Windows - (Harmonized Standard)
C802913 BUILDING PRODUCTS AND MATERIALS - Sliding Doors - (Harmonized Standard)
C802914 FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES - Folding Door Systems (Harmonized Standard)
C802982 FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES - Windows to the US (NAFS Harmonized Standard)
C802983 FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES - Sliding Doors to the US (NAFS Harmonized Standard)
C802984 FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES - Folding Door Systems to the US (NAFS Harmonized Standard)

Aluminum Windows certified to the Harmonized Standard AAMA/WDMA/CSA 101/1.S.2/A440-17 & CSA A440S1:19 under class 8029 12/82:

Model(s)
A80T Series Tilt & Turn window and Fixed window - Combination assembly



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Product Type	Primary product designator	Positive Design Pressure Pa (~psf)	Negative Design Pressure Pa (~psf)	Water Penetration Resistance Test Pressure Pa (~psf)
A80T Series Tilt & Turn window and Fixed window - Combination assembly	Class CW-PG40: Size Tested 1200mm × 1800mm (47.24in. × 70.87in.) - Type DAW	1920 (40.10)	-1920 (-40.10)	290 Pa (6.06)
	Class CW-PG40: Size Tested 1500mm × 1800mm (59.06in. × 70.87in.) - Type FW	1920 (40.10)	-1920 (-40.10)	290 Pa (6.06)

Thermal performance to CSA Standard A440.2-19:

A80T Series Tilt & Turn	
Mft Product Code	6mm_1 21/32_XDTN179#2-arg90-XDTN179#4-arg90-CLR
Product Number	001
Gap1 (mm)	11.99
Gap2 (mm)	11.99
Gap3 (mm)	-
Gap fill 1	ARG
Gap fill 2	ARG
Gap fill 3	-
Emissivity Surface 2	0.048
Emissivity Surface 3	-
Emissivity Surface 4	0.048
Emissivity Surface 5	-
Emissivity Surface 6	-
Emissivity Surface 7	-
Tint	CL
Spacer	Al-D
Grid Type	N
Grid Size	-
U-Factor (W/m²-K)	1.63
SHGC	0.25
VT	0.41
Air Infiltration (L/S- m ²)	0.02
Air Exfiltration (L/S- m ²)	0.02
ER	19

A80T Series Fixed window



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Mft Product Code	6mm_1 21/32_XDTN179#2-arg90-XDTN179#4-arg90-CLR
Product Number	001
Gap1 (mm)	11.99
Gap2 (mm)	11.99
Gap3 (mm)	-
Gap fill 1	ARG
Gap fill 2	ARG
Gap fill 3	-
Emissivity Surface 2	0.048
Emissivity Surface 3	-
Emissivity Surface 4	0.048
Emissivity Surface 5	-
Emissivity Surface 6	-
Emissivity Surface 7	-
Tint	CL
Spacer	A1-D
Grid Type	N
Grid Size	-
U-Factor (W/m²-K)	1.22
SHGC	0.29
VT	0.48
Air Infiltration (L/S- m ²)	0.01
Air Exfiltration (L/S- m ²)	0.01
ER	30

Aluminum sliding door certified to the Harmonized Standard AAMA/WDMA/CSA 101/1.S.2/A440-17 & CSA A440S1:19 under class 8029 13/83:

Model(s)
A140T series Lift & Sliding Door

Product Type	Primary product designator	Positive Design Pressure Pa (~psf)	Negative Design Pressure Pa (~psf)	Water Penetration Resistance Test Pressure Pa (~psf)
A140T series Lift & Sliding Door	Class CW-PG40: Size Tested 2400mm × 2100mm (94.49in. × 82.68in.) - Type SD	1920 (40.10)	-1920 (-40.10)	290 Pa (6.06)

Thermal performance to CSA Standard A440.2-19:

A140T series Lift & Sliding Door	
Mft Product Code	6mm_1 21/32_XDTN179#2-arg90-XDTN179#4-arg90-CLR
Product Number	001



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Gap1 (mm)	11.99
Gap2 (mm)	11.99
Gap3 (mm)	-
Gap fill 1	ARG
Gap fill 2	ARG
Gap fill 3	-
Emissivity Surface 2	0.048
Emissivity Surface 3	-
Emissivity Surface 4	0.048
Emissivity Surface 5	-
Emissivity Surface 6	-
Emissivity Surface 7	-
Tint	CL
Spacer	A1-D
Grid Type	N
Grid Size	-
U-Factor (W/m²-K)	1.81
SHGC	0.25
VT	0.41
Air Infiltration (L/S- m ²)	0.19
Air Exfiltration (L/S- m ²)	0.24
ER	14

Aluminum folding door certified to the Harmonized Standard AAMA/WDMA/CSA 101/1.S.2/A440-17 & CSA A440S1:19 under class 8029 14/84:

Model(s)
A68T series Folding Door (Type D 2L-2R)

Product Type	Primary product designator	Positive Design Pressure Pa (~psf)	Negative Design Pressure Pa (~psf)	Water Penetration Resistance Test Pressure Pa (~psf)	Can. Air Infiltration / Exfiltration
A68T series Folding Door (Type D 2L-2R)	Class CW-PG40: Size Tested 2600mm × 2100mm (102.36in. × 82.68in.) - Type FLD	1920 (40.10)	-1920 (-40.10)	290 Pa (6.06)	A3 Level

Thermal performance to CSA Standard A440.2-19:

A68T series Folding Door	
Mft Product Code	6mm_1 21/32_XDTN179#2-arg90-XDTN179#4-arg90-CLR
Product Number	001



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Gap1 (mm)	8.99
Gap2 (mm)	8.99
Gap3 (mm)	-
Gap fill 1	ARG
Gap fill 2	ARG
Gap fill 3	-
Emissivity Surface 2	0.048
Emissivity Surface 3	-
Emissivity Surface 4	0.048
Emissivity Surface 5	-
Emissivity Surface 6	-
Emissivity Surface 7	-
Tint	CL
Spacer	Al-D
Grid Type	N
Grid Size	-
U-Factor (W/m²-K)	1.93
SHGC	0.25
VT	0.40
Air Infiltration (L/S- m ²)	0.03
Air Exfiltration (L/S- m ²)	0.04
ER	12

Notes:

1. For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the CSA test reports;
2. This Certification does not extend to the substitution of materials or changes in the construction or composition of products, nor factory location without CSA prior written approval;
3. This certification program does not include interior windows or storm windows (except when incorporated in dual windows);
4. This certification program does not include interior doors; vehicular-access doors (garage doors); curtain wall and storefront; storm doors (except when incorporated in dual doors); commercial entrance systems; revolving doors; site-built door systems; or commercial steel doors rated per SDI A250.8.

APPLICABLE REQUIREMENTS

A440.2-19 - Fenestration energy performance

CSA A440S1-19 (Fourth Edition)(R2023) - Canadian Supplement to AAMA/WDMA/ CSA 101/I.S.2/A440-17, North American Fenestration Standard/Specification for windows, doors, and skylights - Fourth Edition

CSA AAMA/WDMA/CSA 101/I.S.2/A440-17 (Fourth Edition) (R2022) - North American Fenestration Standard/ Specification for windows, doors, and skylights - Fourth Edition; Errata: September 2018



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MARKINGS

Refer to descriptive report.

Notes:

Products certified under Class C802912, C802913, C802914, C802982, C802983, C802984 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80192870	January 22, 2024	Update report 80165161 to add US certification of physical performance to all existing certified models as per NAFS harmonized standard AAMA/WDMA/CSA 101/1.S.2/A440-17.
80165161	September 26, 2023	Certification of aluminum windows and doors, models: A80T Series Tilt & Turn window and Fixed window - Combination assembly, A140T series Lift & Sliding Door, A68T series Folding Door.