



Certificate of Compliance

Certificate: 80196572

Master Contract: 608558

Project: 80196572

Date Issued: 2026-03-04

Issued To: Foshan Wansley Industrial Co., Ltd.
No. 11, Luocun Avenue North, Lutang Community, Shishan Town, Nanhai
District, Foshan, Guangdong, China, 528226

Attention: Ruan Ming

The products listed below are eligible to bear the CSA Mark shown

Issued by: Shirley Tang
Shirley Tang



PRODUCTS

CLASS - C802912 - BUILDING PRODUCTS AND MATERIALS- Windows (Harmonized Standard)

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

Product Type	Primary product designator	Positive Design Pressure Pa (~psf)	Negative Design Pressure Pa (~psf)	Water Penetration Resistance Test Pressure Pa (~psf)	Air Leakage Resistance Test L/s·m ²
ZMR-108 Casement Window and fixed Window - Composite unit	Class CW-PG70: Size Tested 2400mm × 1600mm (94.49in. × 62.99in.) - Type C/FW	3360 (70.18)	-3360 (-70.18)	720 (15.04)	Air Infiltration <0.1 Air Exfiltration <0.1



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Thermal performance to CSA Standard A440.2:19:

ZMR-108 Casement Window							
Mft Product Code	8-8-6mm_46mm_8CHS(T T65S)#2-arg90-8CHS(TT65S)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6C, ms	6mm_40mm_6CHS(SJ65S) #2-arg90-6C, ms	6mm_42mm_6CHS(X DT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (XDT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6C, ms	6mm_40mm_6CHS (XDT0179)#2-arg90-6C, ms
Product Number	001	002	003	004	005	006	007
Gap1 (mm)	11.99	11.99	11.99	26.59	11.99	11.99	26.59
Gap2 (mm)	11.99	11.99	11.99	-	11.99	11.99	-
Gap3 (mm)	-	-	-	-	-	-	-
Gap fill 1	ARG	ARG	ARG	ARG	ARG	ARG	ARG
Gap fill 2	ARG	ARG	ARG		ARG	ARG	-
Gap fill 3	-	-	-	-	-	-	-
Emissivity Surface 2	0.022	0.021	0.021	0.021	0.048	0.048	0.048
Emissivity Surface 3	-	-	-	-	-	-	-
Emissivity Surface 4	0.022	0.021	0.021	-	0.048	0.048	-
Emissivity Surface 5	-	-	-	-	-	-	-
Emissivity Surface 6	0.225	0.225	-	-	0.225	-	-
Emissivity Surface 7	-	-	-	-	-	-	-
Tint	CL	CL	CL	CL	CL	CL	CL
Spacer	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D
Grid Type	N	N	N	N	N	N	N
Grid Size	-	-					
U-Factor (W/m²-K)	1.71	1.66	1.69	1.95	1.67	1.70	1.98
SHGC	0.07	0.10	0.10	0.12	0.14	0.14	0.18
VT	0.06	0.17	0.17	0.24	0.22	0.22	0.27
Air Infiltration (L/S- m ²)	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Air Exfiltration (L/S- m ²)	0.10	0.10	0.10	0.10	0.10	0.10	0.10
ER	06	09	09	04	11	11	07



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ZMR-108 fixed Window							
Mft Product Code	8-8-6mm_46mm_8CHS(T T65S)#2-arg90-8CHS(TT65S)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6C, ms	6mm_40mm_6CHS(SJ65S) #2-arg90-6C, ms	6mm_42mm_6CHS(X DT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (XDT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6C, ms	6mm_40mm_6CHS (XDT0179)#2-arg90-6C, ms
Product Number	001	002	003	004	005	006	007
Gap1 (mm)	11.99	11.99	11.99	26.59	11.99	11.99	26.59
Gap2 (mm)	11.99	11.99	11.99	-	11.99	11.99	-
Gap3 (mm)	-	-	-	-	-	-	-
Gap fill 1	ARG	ARG	ARG	ARG	ARG	ARG	ARG
Gap fill 2	ARG	ARG	ARG		ARG	ARG	-
Gap fill 3	-	-	-	-	-	-	-
Emissivity Surface 2	0.022	0.021	0.021	0.021	0.048	0.048	0.048
Emissivity Surface 3	-	-	-	-	-	-	-
Emissivity Surface 4	0.022	0.021	0.021	-	0.048	0.048	-
Emissivity Surface 5	-	-	-	-	-	-	-
Emissivity Surface 6	0.225	0.225	-	-	0.225	-	-
Emissivity Surface 7	-	-	-	-	-	-	-
Tint	CL	CL	CL	CL	CL	CL	CL
Spacer	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D
Grid Type	N	N	N	N	N	N	N
Grid Size	-	-					
U-Factor (W/m²-K)	1.15	1.12	1.18	1.78	1.15	1.21	1.82
SHGC	0.12	0.18	0.18	0.24	0.27	0.28	0.35
VT	0.14	0.36	0.36	0.51	0.47	0.46	0.35
Air Infiltration (L/S- m ²)	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Air Exfiltration (L/S- m ²)	0.10	0.10	0.10	0.10	0.10	0.10	0.10
ER	22	26	24	15	30	29	20



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CLASS - C802913 - BUILDING PRODUCTS AND MATERIALS - Sliding Doors (Harmonized Standard)

Aluminum door certified to the Harmonized Standard AAMA/WDMA/CSA 101/1.S.2/A440-17 & CSA A440S1:19:

Product Type	Primary product designator	Positive Design Pressure Pa (~psf)	Negative Design Pressure Pa (~psf)	Water Penetration Resistance Test Pressure Pa (~psf)	Air Leakage Resistance Test L/s·m ²
ZMR-150 series Sliding Door	Class CW-PG50: Size Tested 2400mm × 2100mm (94.49in. × 82.68in.) - Type SD	2400 (50.13)	-2400 (-50.13)	720 Pa (15.04)	Air Infiltration =0.02 Air Exfiltration =0.23

Thermal performance to CSA Standard A440.2:19:

ZMR-150 series Sliding Door							
Mft Product Code	5mm_37mm_5CHS(C EV11-55T)#2-arg90-5C, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6C, ms	6mm_40mm_6CHS(SJ65S) #2-arg90-6C, ms	6mm_42mm_6CHS(X DT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (XDT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6C, ms	6mm_40mm_6CHS (XDT0179)#2-arg90-6C, ms
Product Number	001	002	003	004	005	006	007
Gap1 (mm)	26.59	11.99	11.99	25.59	11.99	11.99	25.59
Gap2 (mm)	-	11.99	11.99	-	11.99	11.99	-
Gap3 (mm)	-	-	-	-	-	-	-
Gap fill 1	ARG	ARG	ARG	ARG	ARG	ARG	ARG
Gap fill 2	-	ARG	ARG	-	ARG	ARG	-
Gap fill 3	-	-	-	-	-	-	-
Emissivity Surface 2	0.050	0.021	0.021	0.021	0.048	0.048	0.048
Emissivity Surface 3	-	-	-	-	-	-	-
Emissivity Surface 4	-	0.021	0.021	-	0.048	0.048	-
Emissivity Surface 5	-	-	-	-	-	-	-
Emissivity Surface 6	-	0.225	-	-	0.225	-	-
Emissivity Surface 7	-	-	-	-	-	-	-
Tint	BL	CL	CL	CL	CL	CL	CL



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Spacer	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D
Grid Type	N	N	N	N	N	N	N
Grid Size	-	-					
U-Factor (W/m²-K)	2.37	1.74	1.81	2.33	1.77	1.84	2.36
SHGC	0.21	0.16	0.16	0.21	0.24	0.24	0.30
VT	0.32	0.30	0.30	0.43	0.39	0.39	0.49
Air Infiltration (L/S- m ²)	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Air Exfiltration (L/S- m ²)	0.23	0.23	0.23	0.23	0.23	0.23	0.23
ER	00	11	09	01	15	13	05

CLASS - C802914 - FACTORY CONSTRUCTED BUILDINGS AND STRUCTURES Folding Door Systems (Harmonized Standard)

Aluminum door certified to the Harmonized Standard AAMA/WDMA/CSA 101/1.S.2/A440-17 & CSA A440S1:19:

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
ZMR-80 Thermal Break Bi-Fold Door (Type A 4L/4R)	Class CW-PG50: Size Tested 2630mm × 2100mm (103.54in. × 82.68in.) - Type FLD	2400 (50.13)	-2400 (-50.13)	720 Pa (15.04)	A3 Level Air Infiltration =0.22 Air Exfiltration =0.30

Thermal performance to CSA Standard A440.2:19:

ZMR-80 Thermal Break Bi-Fold Door							
Mft Product Code	5mm_40mm_5CHS(C EV11-55T)#2-arg90-5CHS(CEV1155T)#4-arg90-5C, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (SJ65S)#2-arg90-6CHS(SJ65S)#4-arg90-6C, ms	6mm_40mm_6CHS(SJ65S) #2-arg90-6C, ms	6mm_42mm_6CHS(X DT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6CHS(BW88N)#6, ms	6mm_42mm_6CHS (XDT0179)#2-arg90-6CHS(XDT0179)#4-arg90-6C, ms	6mm_40mm_6CHS (XDT0179)#2-arg90-6C, ms
Product Number	001	002	003	004	005	006	007
Gap1 (mm)	11.99	11.99	11.99	25.59	11.99	11.99	25.59
Gap2 (mm)	11.99	11.99	11.99	-	11.99	11.99	-



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Gap3 (mm)	-	-	-	-	-	-	-
Gap fill 1	ARG	ARG	ARG	ARG	ARG	ARG	ARG
Gap fill 2	ARG	ARG	ARG	-	ARG	ARG	-
Gap fill 3	-	-	-	-	-	-	-
Emissivity Surface 2	0.050	0.021	0.021	0.021	0.048	0.048	0.048
Emissivity Surface 3	-	-	-	-	-	-	-
Emissivity Surface 4	0.050	0.021	0.021	-	0.048	0.048	-
Emissivity Surface 5	-	-	-	-	-	-	-
Emissivity Surface 6	-	0.225	-	-	0.225	-	-
Emissivity Surface 7	-	-	-	-	-	-	-
Tint	BL	CL	CL	CL	CL	CL	CL
Spacer	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D	TS-D
Grid Type	N	N	N	N	N	N	N
Grid Size	-	-					
U-Factor (W/m²-K)	1.97	1.86	1.93	2.41	1.89	1.96	2.45
SHGC	0.14	0.15	0.16	0.20	0.23	0.23	0.29
VT	0.16	0.28	0.28	0.40	0.37	0.37	0.46
Air Infiltration (L/S- m ²)	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Air Exfiltration (L/S- m ²)	0.30	0.30	0.30	0.30	0.30	0.30	0.30
ER	04	07	06	-02	11	10	03

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);



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- 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

AAMA/WDMA/CSA101/I.S.2/A440-17 NAFS-North American Fenestration Standard/Specification for windows, doors, and skylights

CSA A440.2:19

- Fenestration Energy Performance

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

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark, without any adjacent indicators, indicating that products have been manufactured to the requirements of Canadian Standards.

Each unit has the following markings. Certain jurisdictions in Canada require the use of French language in markings. It is the manufacturer's responsibility to determine where this is required.

1. Permanent markings, visible after installation, stamped, etched or approved permanent label:
 - a. CSA Certification Mark;
 - b. manufacturer's name or identification;
 - c. model, series, style designations, or type designation; and
 - d. Standard number and edition **AAMA/WDMA/CSA101/I.S.2/A440-17, A440S1:19 and CSA A440.2:19.**
2. Non-permanent markings:
 - a. The fenestration system U-factor and SHGC shall be indicated on a label attached to the fenestration system. If applicable, the VT and ER shall also be indicated on the label;



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b. Performance ratings shall be indicated on a label using primary and secondary designators in accordance with Clauses 4.4.2 and 4.4.3 of AAMA/WDMA/CSA 101/I.S.2/A440-17 standard, and shall include:

Primary Designator: performance class, performance grade (PG), maximum size tested to achieve the reported rating, and (optionally) product type;

Secondary Designator, which included:

- Positive design pressure;
- Negative design pressure;
- Water penetration test pressure and;
- The Canadian air infiltration/exfiltration level (If applicable).

Each unit shall bear all the required markings identified in the applicable certification report(s).