



Certificate of Compliance

Certificate: 80278573 **Master Contract:** 306310
Project: 80278573 **Date Issued:** 2026-05-27
Issued to: Guangdong Chuanggao Home Technology Co., Ltd
Shinan Third Ring West Road,
Shishan Town, Nanhai
District,
Foshan, Guangdong 528200
China
Issued by: Lucas Yang
Lucas Yang
Attention: Tingting Wen

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



PRODUCTS

Class 8029 12 BUILDING PRODUCTS AND MATERIALS - Windows (Harmonized Standard)

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

Model(s)	Primary Product Designator	Positive Design Pressure (Pa [psf])	Negative Design Pressure (Pa [psf])	Water Penetration Resistance Test Pressure (Pa [psf])
CG-AAW-007 Casement window with Fixed window assembly	Class CW - PG100: Size tested 2300 x 1511 mm (90.55 x 59.49 in) – Type C/FW	4800 (100.25)	-4800 (-100.25)	720 (15.04)
CG-AAW-007 Casement window	Class CW - PG100: Size tested 800 x 1511 mm (31.50 x 59.49 in) – Type C	4800 (100.25)	-4800 (-100.25)	720 (15.04)



Certificate: 80278573

Master Contract: 306310

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Model(s)	Primary Product Designator	Positive Design Pressure (Pa [psf])	Negative Design Pressure (Pa [psf])	Water Penetration Resistance Test Pressure (Pa [psf])
CG-AAW-007 Fixed window	Class CW - PG100: Size tested 1500 x 1511 mm (59.06 x 59.49 in) – Type FW	4800 (100.25)	-4800 (-100.25)	720 (15.04)

Note: CG-AAW-007 Casement window with Fixed window assembly is a combination assembly.

Class 8029 12 BUILDING PRODUCTS AND MATERIALS - Windows (Harmonized Standard)

Thermal performance to CSA Standard A440.2:19

CG-AAW-007 Casement window																			
Glazing Option	Gap 1 (in)	Gap 2 (in)	Gap 3 (in)	Gap Fill 1	Gap Fill 2	Gap Fill 3	Emissivity Surface 2	Emissivity Surface 4	Emissivity Surface 6	Tint	Spacer	Grid Type	U factor (W/m ² -K)	SH GC	VT	Air infiltration (L/s-m ²)	Air exfiltration (L/s-m ²)	Energy Rating (ER)	CI
001	12.37	12.37		AR G	AR G		0.125			GY	TS-D	N	1.73	0.30	0.38	0.04	0.04	19	71
002	12.37	12.37		AR G	AR G		0.125	0.125		GY	TS-D	N	1.56	0.27	0.34	0.04	0.04	21	71
003	12.37	12.37		AR G	AR G		0.048			CL	TS-D	N	1.67	0.23	0.36	0.04	0.04	17	71
004	14.63	14.63		AR G	AR G		0.048	0.048		CL	TS-D	N	1.44	0.20	0.33	0.04	0.04	20	72
005	12.37	12.37		AR G	AR G		0.029	0.029		GY	TS-D	N	1.48	0.08	0.11	0.04	0.04	12	71
006	12.37			AR G			0.125			GY	TS-D	N	2.06	0.33	0.42	0.04	0.04	14	66
007	12.37	12.37	12.37	AR G	AR G	AR G	0.013	0.013	0.013	CL	TS-D	N	1.25	0.16	0.26	0.04	0.04	22	72
008	12.37	12.37		AR G	AR G		0.029	0.029	0.180	GY	TS-D	N	1.43	0.08	0.11	0.04	0.04	13	71
009	12.37	12.37	12.37	AR G	AR G	AR G	0.029	0.029	0.029	GY	TS-D	N	1.25	0.06	0.05	0.04	0.04	16	71

Glazing options:

- 5-5-5, 39, XETN0180#2-arg90-CL-arg90-CL, ms



Certificate: 80278573

Master Contract: 306310

Project: 80278573

Date Issued: 2026-05-27

2. 5-5-5, 39, XETN0180#2-arg90-XETN0180#4-arg90-CL, ms
3. 6-6-6, 42, XDRN0179#2-arg90-CL-arg90-CL, ms
4. 6-6-6, 48, XDTN0179#2-arg90-XDTN0179#4-arg90-CL, ms
5. 6-6-6, 42, TG4110#2-arg90-TG4110#4-arg90-CL, ms
6. 5-5, 22, XENT0180#2-arg90-CL, ms
7. 6.4-6.4-6.4-6, 61.2, PLANITHERM_ONE#2-arg90-PLANITHERM_ONE#4-arg90-PLANITHERM_ONE#6-arg90-PLANICL, ms
8. 6-6-6, 42, TG4110#2-arg90-TG4110#4-arg90-XITN0189#6, ms
9. 6-6-6-6, 60, TG4110#2-arg90-TG4110#4-arg90-TG4110#6-arg90-XITN0189#8, ms

CG-AAW-007 Fixed window																			
Glazing Option	Gap 1 (in)	Gap 2 (in)	Gap 3 (in)	Gap Fill 1	Gap Fill 2	Gap Fill 3	Emissivity Surface 2	Emissivity Surface 4	Emissivity Surface 6	Tint	Spacer	Grid Type	U factor (W/m ² -K)	SH GC	VT	Air infiltration (L/s-m ²) ‡	Air exfiltration (L/s-m ²) ‡	Energy Rating (ER) ‡	CI
001	12.37	12.37		AR G	AR G		0.125			GY	TS-D	N	1.39	0.43	0.55	0.02	0.02	34	73
002	12.37	12.37		AR G	AR G		0.125	0.125		GY	TS-D	N	1.13	0.38	0.50	0.02	0.02	37	73
003	12.37	12.37		AR G	AR G		0.048			CL	TS-D	N	1.30	0.32	0.53	0.02	0.02	30	73
004	14.63	14.63		AR G	AR G		0.048	0.048		CL	TS-D	N	0.99	0.28	0.48	0.02	0.02	34	75
005	12.37	12.37		AR G	AR G		0.029	0.029		GY	TS-D	N	1.00	0.11	0.16	0.02	0.02	24	74
006	12.37			AR G			0.125			GY	TS-D	N	1.84	0.47	0.61	0.02	0.02	27	66
007	12.37	12.37	12.37	AR G	AR G	AR G	0.013	0.013	0.013	CL	TS-D	N	0.76	0.22	0.38	0.02	0.02	36	73
008	12.37	12.37		AR G	AR G		0.029	0.029	0.180	GY	TS-D	N	0.93	0.11	0.16	0.02	0.02	26	72
009	12.37	12.37	12.37	AR G	AR G	AR G	0.029	0.029	0.029	GY	TS-D	N	0.75	0.08	0.07	0.02	0.02	28	71

Glazing options:

1. 5-5-5, 39, XETN0180#2-arg90-CL-arg90-CL, ms



Certificate: 80278573

Master Contract: 306310

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2. 5-5-5, 39, XETN0180#2-arg90-XETN0180#4-arg90-CL, ms
 3. 6-6-6, 42, XDRN0179#2-arg90-CL-arg90-CL, ms
 4. 6-6-6, 48, XDTN0179#2-arg90-XDTN0179#4-arg90-CL, ms
 5. 6-6-6, 42, TG4110#2-arg90-TG4110#4-arg90-CL, ms
 6. 5-5, 22, XENT0180#2-arg90-CL, ms
 7. 6.4-6.4-6.4-6, 61.2, PLANITHERM_ONE#2-arg90-PLANITHERM_ONE#4-arg90-PLANITHERM_ONE#6-arg90-PLANICL, ms
 8. 6-6-6, 42, TG4110#2-arg90-TG4110#4-arg90-XITN0189#6, ms
 9. 6-6-6-6, 60, TG4110#2-arg90-TG4110#4-arg90-TG4110#6-arg90-XITN0189#8, ms

Notes: Required Thermal Characteristics of Fenestration and Doors as per National Building Code of Canada (NBC) -2020

Max. U-value (W/m²*K): 1.84

Min. Energy Rating: 21

APPLICABLE REQUIREMENTS

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



Certificate: 80278573

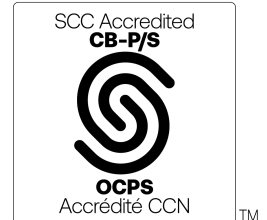
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Master Contract: 306310

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Notes:

Products certified under Class(es) C802912 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
80278573	2026-05-27	Class 8029 12 - Certification of aluminum window for physical performance in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-17 & A440S1:19 and energy performance in accordance with CSA A440.2:19, model: CG-AAW-007 Casement window with Fixed window assembly.