



WINDOWS & DOORS LISTING PROGRAM

Customer: Fortress Windows and Doors Ltd.
Class: Fenestration Products – Energy Performance
Location: North Battleford, Saskatchewan
Website: www.fortresswindows.ca

Listing No. W460-1
Project No. W460-1 ED7
Effective Date: October 21, 2009
Last Revised Date: October 25, 2023
Expires: N/A

Standards: CSA A440.2 “Fenestration Energy Performance”

Product: Vinyl Windows

Markings: Products are marked with the following content in a permanent manner where it is readily visible after installation:

- a) Manufacturer’s name, Trademark or other recognized symbol or identification.
- b) QAI file Number: W460
- c) QAI logo shown here:



- d) “Evaluation for energy performance in accordance with CSA A440.2” / “Évalué pour la performance d’énergie en accord à la norme CSA A440.2”

Models / Ratings:

2545 Series Picture Window

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-2545PC-3,SB60(2)-3,CL-3,CL-11AR90IU	1.17	0.32	33
G02	FWD-2545PC-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	0.89	0.30	38
G03	FWD-2545PC-4,SB60(2)-4,CL-4,CL-11AR90IU	1.17	0.32	33
G04	FWD-2545PC-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU	0.89	0.30	38
G05	FWD-2545PC-4,SB60(2)-4,CL-4,CL-10AR90IU	1.24	0.32	31



Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G06	FWD-2545PC-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU	0.97	0.30	36
G07	FWD-2545PC-5,SB60(2)-5,CL-5,CL-10AR90IU	1.24	0.32	31
G08	FWD-2545PC-5,SB60(2)-5,CL-5,SB60(5)-10AR90IU	0.97	0.30	36

2602 Series Casement Window

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-2602CA-3,SB60(2)-3,CL-3,CL-11AR90IU	1.21	0.25	27
G02	FWD-2602CA-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	1.00	0.23	31
G03	FWD-2602CA-4,SB60(2)-4,CL-4,CL-11AR90IU	1.21	0.24	27
G04	FWD-2602CA-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU	1.00	0.23	31
G05	FWD-2602CA-4,SB60(2)-4,CL-4,CL-10AR90IU	1.27	0.24	25
G06	FWD-2602CA-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU	1.06	0.23	29
G07	FWD-2602CA-5,SB60(2)-5,CL-5,CL-10AR90IU	1.27	0.24	25
G08	FWD-2602CA-5,SB60(2)-5,CL-5,SB60(5)-10AR90IU	1.07	0.23	29

2602 Series Awning Window

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-2602AW-3,SB60(2)-3,CL-3,CL-11AR90IU	1.22	0.25	27
G02	FWD-2602AW-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	1.00	0.23	31
G03	FWD-2602AW-4,SB60(2)-4,CL-4,CL-11AR90IU	1.22	0.24	26
G04	FWD-2602AW-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU	1.00	0.23	31
G05	FWD-2602AW-4,SB60(2)-4,CL-4,CL-10AR90IU	1.27	0.24	25
G06	FWD-2602AW-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU	1.06	0.23	29
G07	FWD-2602AW-5,SB60(2)-5,CL-5,CL-10AR90IU	1.27	0.24	25
G08	FWD-2602AW-5,SB60(2)-5,CL-5,SB60(5)-10AR90IU	1.07	0.23	29

2630 Series Fixed Casement Window

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-2630FC-3,SB60(2)-3,CL-3,CL-11AR90IU	1.19	0.29	30
G02	FWD-2630FC-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	0.94	0.27	35
G03	FWD-2630FC-4,SB60(2)-4,CL-4,CL-11AR90IU	1.19	0.28	30



Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G04	FWD-2630FC-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU	0.94	0.27	35
G05	FWD-2630FC-4,SB60(2)-4,CL-4,CL-10AR90IU	1.24	0.29	29
G06	FWD-2630FC-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU	1.00	0.27	33
G07	FWD-2630FC-5,SB60(2)-5,CL-5,CL-10AR90IU	1.24	0.28	29
G08	FWD-2630FC-5,SB60(2)-5,CL-5,SB60(5)-10AR90IU	1.00	0.26	33

S3200 Series Picture Window

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-3200PC-3,SB60(2)-3,CL-3,CL-11AR90IU	1.16	0.32	33
G02	FWD-3200PC-3,SB60(2)-3,CL-3,CL-11AR90IU-G1<1	1.20	0.29	30
G03	FWD-3200PC-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	0.87	0.30	38
G04	FWD-3200PC-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU-G1<1	0.89	0.27	36
G05	FWD-3200PC-4,SB60(2)-4,CL-4,CL-11AR90IU	1.16	0.31	32
G06	FWD-3200PC-4,SB60(2)-4,CL-4,CL-11AR90IU-G1<1	1.20	0.29	30
G07	FWD-3200PC-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU	0.88	0.29	37
G08	FWD-3200PC-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU-G1<1	0.90	0.27	36
G09	FWD-3200PC-4,SB60(2)-4,CL-4,CL-10AR90IU	1.22	0.32	32
G10	FWD-3200PC-4,SB60(2)-4,CL-4,CL-10AR90IU-G1<1	1.28	0.29	29
G11	FWD-3200PC-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU	0.95	0.29	36
G12	FWD-3200PC-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU-G1<1	0.98	0.27	34
G13	FWD-3200PC-5,SB60(2)-5,CL-5,CL-10AR90IU	1.22	0.31	31
G14	FWD-3200PC-5,SB60(2)-5,CL-5,SB60(5)-10AR90IU	0.95	0.29	36

S3000 Series Casement Window

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-3000CA-3,SB60(2)-3,CL-3,CL-11AR90IU	1.24	0.24	27
G02	FWD-3000CA-3,SB60(2)-3,CL-3,CL-11AR90IU-G1<1	1.26	0.22	25
G03	FWD-3000CA-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	1.02	0.22	30
G04	FWD-3000CA-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU-G1<1	1.04	0.20	29

**S3050 Series Awning Window**

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-3050AW-3,SB60(2)-3,CL-3,CL-11AR90IU	1.24	0.24	27
G02	FWD-3050AW-3,SB60(2)-3,CL-3,CL-11AR90IU-G1<1	1.25	0.22	25
G03	FWD-3050AW-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	1.02	0.22	30
G04	FWD-3050AW-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU-G1<1	1.03	0.20	29

S3100 Series Fixed Casement Window

Glass / Grille Option #	Model Code	U-Factor (W/m ² K)	Product SHGC	Energy Rating
G01	FWD-3100FC-3,SB60(2)-3,CL-3,CL-11AR90IU	1.17	0.28	31
G02	FWD-3100FC-3,SB60(2)-3,CL-3,CL-11AR90IU-G1<1	1.21	0.25	28
G03	FWD-3100FC-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU	0.92	0.26	35
G04	FWD-3100FC-3,SB60(2)-3,CL-3,SB60(5)-11AR90IU-G1<1	0.94	0.24	33
G05	FWD-3100FC-4,SB60(2)-4,CL-4,CL-11AR90IU	1.17	0.28	31
G06	FWD-3100FC-4,SB60(2)-4,CL-4,CL-11AR90IU-G1<1	1.21	0.25	28
G07	FWD-3100FC-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU	0.92	0.26	35
G08	FWD-3100FC-4,SB60(2)-4,CL-4,SB60(5)-11AR90IU-G1<1	0.94	0.24	33
G09	FWD-3100FC-4,SB60(2)-4,CL-4,CL-10AR90IU	1.23	0.28	29
G10	FWD-3100FC-4,SB60(2)-4,CL-4,CL-10AR90IU-G1<1	1.28	0.25	26
G11	FWD-3100FC-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU	0.99	0.26	33
G12	FWD-3100FC-4,SB60(2)-4,CL-4,SB60(5)-10AR90IU-G1<1	1.01	0.24	32
G13	FWD-3100FC-5,SB60(2)-5,CL-5,CL-10AR90IU	1.23	0.28	29
G14	FWD-3100FC-5,SB60(2)-5,CL-5,SB60(5)-10AR90IU	0.99	0.26	33

Notes:

- Products are not intended for installation in storefronts, non-operable portions of curtain wall, fixed glazing cast into precast concrete panels, greenhouses, skylights or sloped glazing.
- Test procedures are designed to test the performance of the test specimen only and are not necessarily used to test the performance of the installation, particularly the perimeter sealant joint and anchoring of the assembly.
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