

WINDOWS & DOORS LISTING PROGRAM

Customer: Window Seal West Inc.
Class: Fenestration Products – Energy Performance
Location: Calgary, Alberta
Website: www.windows-west.ca

Listing No. W546-1
Project No. W546-1 ED4
Effective Date: March 14, 2017
Last Revised Date: May 25, 2021
Expires: N/A

Standards: CSA A440.2-14 “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: W546
- 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:

SGI005 Low Fixed Window

GO #	Model Code	U-Value (W/m²K)	Energy Rating
G01	WSW-SG05LFX-3,SB60(2)-3,CL-16AR90SP	1.52	26
G02	WSW-SG05LFX-3,CL-3,S400(3)-16AR90SP	1.67	38
G03	WSW-SG05LFX-3,CL-3,CL-3,S400(5)-6AR90SP	1.56	36
G04	WSW-SG05LFX-3,SB60(2)-3,CL-3,CL-6AR90SP	1.51	25

SGI005 Casement Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG05CA-3,SB60(2)-3,CL-16AR90SP	1.55	21
G02	WSW-SG05CA-3,CL-3,S400(3)-16AR90SP	1.66	29
G03	WSW-SG05CA-3,CL-3,CL-3,S400(5)-6AR90SP	1.59	28
G04	WSW-SG05CA-3,SB60(2)-3,CL-3,CL-6AR90SP	1.55	20

SGI005 Awning Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG05AW-3,SB60(2)-3,CL-16AR90SP	1.57	20
G02	WSW-SG05AW-3,CL-3,S400(3)-16AR90SP	1.67	29
G03	WSW-SG05AW-3,CL-3,CL-3,S400(5)-6AR90SP	1.60	27
G04	WSW-SG05AW-3,SB60(2)-3,CL-3,CL-6AR90SP	1.56	20

SGI005 Fixed Casement Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG05FC-3,SB60(2)-3,CL-16AR90SP	1.51	24
G02	WSW-SG05FC-3,CL-3,S400(3)-16AR90SP	1.63	34
G03	WSW-SG05FC-3,CL-3,CL-3,S400(5)-6AR90SP	1.54	33
G04	WSW-SG05FC-3,SB60(2)-3,CL-3,CL-6AR90SP	1.50	23

SGI005 Single Slider Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG05SS-3,SB60(2)-3,CL-16AR90SP	1.64	21
G02	WSW-SG05SS-3,CL-3,S400(3)-16AR90SP	1.77	30
G03	WSW-SG05SS-3,CL-3,CL-3,S400(5)-6AR90SP	1.68	29
G04	WSW-SG05SS-3,SB60(2)-3,CL-3,CL-6AR90SP	1.64	20

SGI016 Awning Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG16AW-3,SB60(2)-3,CL-16AR90SP	1.49	22
G02	WSW-SG16AW-3,SB60(2)-3,CL-16AR90IU	1.58	20
G03	WSW-SG16AW-3,CL-3,S400(3)-16AR90SP	1.60	30
G04	WSW-SG16AW-3,CL-3,S400(3)-16AR90IU	1.68	29
G05	WSW-SG16AW-3,SB60(2)-3,CL-3,CL-13AR90SP	1.20	27
G06	WSW-SG16AW-3,SB60(2)-3,CL-3,CL-13AR90IU	1.30	25
G07	WSW-SG16AW-3,CL-3,CL-3,S400(5)-13AR90SP	1.24	35
G08	WSW-SG16AW-3,CL-3,CL-3,S400(5)-13AR90IU	1.34	33

SGI016 Casement Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG16CA-3,SB60(2)-3,CL-16AR90SP	1.47	22
G02	WSW-SG16CA-3,SB60(2)-3,CL-16AR90IU	1.56	20
G03	WSW-SG16CA-3,CL-3,S400(3)-16AR90SP	1.57	31
G04	WSW-SG16CA-3,CL-3,S400(3)-16AR90IU	1.66	29
G05	WSW-SG16CA-3,SB60(2)-3,CL-3,CL-13AR90SP	1.18	28
G06	WSW-SG16CA-3,SB60(2)-3,CL-3,CL-13AR90IU	1.29	25
G07	WSW-SG16CA-3,CL-3,CL-3,S400(5)-13AR90SP	1.22	35
G08	WSW-SG16CA-3,CL-3,CL-3,S400(5)-13AR90IU	1.32	33

SGI016 Fixed Casement Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG16FC-3,SB60(2)-3,CL-16AR90SP	1.48	25
G02	WSW-SG16FC-3,SB60(2)-3,CL-16AR90IU	1.54	24
G03	WSW-SG16FC-3,CL-3,S400(3)-16AR90SP	1.61	35
G04	WSW-SG16FC-3,CL-3,S400(3)-16AR90IU	1.66	34
G05	WSW-SG16FC-3,SB60(2)-3,CL-3,CL-13AR90SP	1.16	31
G06	WSW-SG16FC-3,SB60(2)-3,CL-3,CL-13AR90IU	1.22	29
G07	WSW-SG16FC-3,CL-3,CL-3,S400(5)-13AR90SP	1.20	41
G08	WSW-SG16FC-3,CL-3,CL-3,S400(5)-13AR90IU	1.26	39

SGI016 Low Fixed Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG16LFX-3,SB60(2)-3,CL-16AR90SP	1.49	27
G02	WSW-SG16LFX-3,SB60(2)-3,CL-16AR90IU	1.55	25
G03	WSW-SG16LFX-3,CL-3,S400(3)-16AR90SP	1.63	38
G04	WSW-SG16LFX-3,CL-3,S400(3)-16AR90IU	1.69	37
G05	WSW-SG16LFX-3,SB60(2)-3,CL-3,CL-13AR90SP	1.12	34
G06	WSW-SG16LFX-3,SB60(2)-3,CL-3,CL-13AR90IU	1.20	32
G07	WSW-SG16LFX-3,CL-3,CL-3,S400(5)-13AR90SP	1.17	44
G08	WSW-SG16LFX-3,CL-3,CL-3,S400(5)-13AR90IU	1.24	43

SGI010 Double Hung Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG10DH-3,CL-3,S400(3)-16AR90IU	1.75	31
G02	WSW-SG10DH-3,CL-3,SB60(3)-16AR90IU	1.63	25
G03	WSW-SG10DH-3,SB60(2)-3,CL-3,CL-7AR90IU	1.60	21
G04	WSW-SG10DH-3,CL-3,CL-3,S400(5)-7AR90IU	1.65	30
G05	WSW-SG10DH-3,CL-3,S400(3)-16AR90SP	1.72	31
G06	WSW-SG10DH-3,CL-3,SB60(3)-16AR90SP	1.60	26
G07	WSW-SG10DH-3,SB60(2)-3,CL-3,CL-7AR90SP	1.58	21
G08	WSW-SG10DH-3,CL-3,CL-3,S400(5)-7AR90SP	1.63	31

SGI010 Double Slider Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG10DS-3,CL-3,S400(3)-16AR90IU	1.76	29
G02	WSW-SG10DS-3,CL-3,SB60(3)-16AR90IU	1.64	23
G03	WSW-SG10DS-3,SB60(2)-3,CL-3,CL-7AR90IU	1.60	19
G04	WSW-SG10DS-3,CL-3,CL-3,S400(5)-7AR90IU	1.65	29
G05	WSW-SG10DS-3,CL-3,S400(3)-16AR90SP	1.73	29
G06	WSW-SG10DS-3,CL-3,SB60(3)-16AR90SP	1.61	24
G07	WSW-SG10DS-3,SB60(2)-3,CL-3,CL-7AR90SP	1.59	19
G08	WSW-SG10DS-3,CL-3,CL-3,S400(5)-7AR90SP	1.63	29

SGI010 Single Hung Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-SG10SH-3,CL-3,S400(3)-16AR90IU	1.62	35
G02	WSW-SG10SH-3,CL-3,SB60(3)-16AR90IU	1.63	25
G03	WSW-SG10SH-3,SB60(2)-3,CL-3,CL-7AR90IU	1.61	21
G04	WSW-SG10SH-3,CL-3,CL-3,S400(5)-7AR90IU	1.65	31
G05	WSW-SG10SH-3,CL-3,S400(3)-16AR90SP	1.73	32
G06	WSW-SG10SH-3,CL-3,SB60(3)-16AR90SP	1.61	26
G07	WSW-SG10SH-3,SB60(2)-3,CL-3,CL-7AR90SP	1.59	21
G08	WSW-SG10SH-3,CL-3,CL-3,S400(5)-7AR90SP	1.64	31

248-300 Low Fixed Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-2483LFX-3,7257(2)-3,CL-16AR97EE	1.50	31
G02	WSW-2483LFX-3,7257(2)-3,CL-16AR97EE-G<1	1.50	29
G03	WSW-2483LFX-3,SB60(2)-3,CL-16AR97EE	1.48	28
G04	WSW-2483LFX-3,SB60(2)-3,CL-16AR97EE-G<1	1.48	25
G05	WSW-2483LFX-3,CL-3,S400(3)-16AR97EE	1.62	40
G06	WSW-2483LFX-3,CL-3,S400(3)-16AR97EE-G<1	1.62	36
G07	WSW-2483LFX-3,7257(2)-3,CL-3,CL-13AR97EE	1.14	37
G08	WSW-2483LFX-3,7257(2)-3,CL-3,CL-13AR97EE-G<1	1.14	35
G09	WSW-2483LFX-3,8071(2)-3,CL-3,CL-13AR97EE	1.18	45
G10	WSW-2483LFX-3,8071(2)-3,CL-3,CL-13AR97EE-G<1	1.18	42
G11	WSW-2483LFX-3,SB60(2)-3,CL-3,CL-13AR97EE	1.13	34
G12	WSW-2483LFX-3,SB60(2)-3,CL-3,CL-13AR97EE-G<1	1.13	32
G13	WSW-2483LFX-3,CL-3,CL-3,S400(5)-13AR97EE	1.18	46
G14	WSW-2483LFX-3,CL-3,CL-3,S400(5)-13AR97EE-G<1	1.18	43

248-300 Casement Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-2483CA-3,7257(2)-3,CL-16AR97EE	1.50	25
G02	WSW-2483CA-3,7257(2)-3,CL-16AR97EE-G<1	1.50	23
G03	WSW-2483CA-3,SB60(2)-3,CL-16AR97EE	1.48	23
G04	WSW-2483CA-3,SB60(2)-3,CL-16AR97EE-G<1	1.48	21
G05	WSW-2483CA-3,CL-3,S400(3)-16AR97EE	1.59	32
G06	WSW-2483CA-3,CL-3,S400(3)-16AR97EE-G<1	1.59	29
G07	WSW-2483CA-3,7257(2)-3,CL-3,CL-13AR97EE	1.22	30

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G08	WSW-2483CA-3,7257(2)-3,CL-3,CL-13AR97EE-G<1	1.22	28
G09	WSW-2483CA-3,8071(2)-3,CL-3,CL-13AR97EE	1.24	36
G10	WSW-2483CA-3,8071(2)-3,CL-3,CL-13AR97EE-G<1	1.24	34
G11	WSW-2483CA-3,SB60(2)-3,CL-3,CL-13AR97EE	1.21	28
G12	WSW-2483CA-3,SB60(2)-3,CL-3,CL-13AR97EE-G<1	1.21	26
G13	WSW-2483CA-3,CL-3,CL-3,S400(5)-13AR97EE	1.25	36
G14	WSW-2483CA-3,CL-3,CL-3,S400(5)-13AR97EE-G<1	1.25	34

248-300 Awning Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-2483AW-3,7257(2)-3,CL-16AR97EE	1.51	24
G02	WSW-2483AW-3,7257(2)-3,CL-16AR97EE-G<1	1.51	22
G03	WSW-2483AW-3,SB60(2)-3,CL-16AR97EE	1.49	22
G04	WSW-2483AW-3,SB60(2)-3,CL-16AR97EE-G<1	1.49	20
G05	WSW-2483AW-3,CL-3,S400(3)-16AR97EE	1.60	31
G06	WSW-2483AW-3,CL-3,S400(3)-16AR97EE-G<1	1.60	28
G07	WSW-2483AW-3,7257(2)-3,CL-3,CL-13AR97EE	1.22	29
G08	WSW-2483AW-3,7257(2)-3,CL-3,CL-13AR97EE-G<1	1.22	28
G09	WSW-2483AW-3,8071(2)-3,CL-3,CL-13AR97EE	1.25	36
G10	WSW-2483AW-3,8071(2)-3,CL-3,CL-13AR97EE-G<1	1.25	33
G11	WSW-2483AW-3,SB60(2)-3,CL-3,CL-13AR97EE	1.21	27
G12	WSW-2483AW-3,SB60(2)-3,CL-3,CL-13AR97EE-G<1	1.21	26
G13	WSW-2483AW-3,CL-3,CL-3,S400(5)-13AR97EE	1.25	36
G14	WSW-2483AW-3,CL-3,CL-3,S400(5)-13AR97EE-G<1	1.25	34

248-2000 Single Slider Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-2482SS-3,7257(2)-3,CL-16AR97EE	1.57	26
G02	WSW-2482SS-3,7257(2)-3,CL-16AR97EE-G<1	1.57	24
G03	WSW-2482SS-3,SB60(2)-3,CL-16AR97EE	1.55	23
G04	WSW-2482SS-3,SB60(2)-3,CL-16AR97EE-G<1	1.55	21
G05	WSW-2482SS-3,CL-3,S400(3)-16AR97EE	1.68	34
G06	WSW-2482SS-3,CL-3,S400(3)-16AR97EE-G<1	1.68	31
G07	WSW-2482SS-3,7257(2)-3,CL-3,CL-11AR97EE	1.27	31
G08	WSW-2482SS-3,7257(2)-3,CL-3,CL-11AR97EE-G<1	1.31	28
G09	WSW-2482SS-3,8071(2)-3,CL-3,CL-11AR97EE	1.31	38
G10	WSW-2482SS-3,8071(2)-3,CL-3,CL-11AR97EE-G<1	1.35	34

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G11	WSW-2482SS-3,SB60(2)-3,CL-3,CL-11AR97EE	1.26	28
G12	WSW-2482SS-3,SB60(2)-3,CL-3,CL-11AR97EE-G<1	1.30	26
G13	WSW-2482SS-3,CL-3,CL-3,S400(5)-11AR97EE	1.33	39
G14	WSW-2482SS-3,CL-3,CL-3,S400(5)-11AR97EE-G<1	1.33	36
G15	WSW-2482SS-3,7257(2)-3,CL-3,CL-13AR97EE	1.26	31
G16	WSW-2482SS-3,7257(2)-3,CL-3,CL-13AR97EE-G<1	1.26	29
G17	WSW-2482SS-3,8071(2)-3,CL-3,CL-13AR97EE	1.29	39
G18	WSW-2482SS-3,8071(2)-3,CL-3,CL-13AR97EE-G<1	1.29	36
G19	WSW-2482SS-3,SB60(2)-3,CL-3,CL-13AR97EE	1.25	28
G20	WSW-2482SS-3,SB60(2)-3,CL-3,CL-13AR97EE-G<1	1.25	27
G21	WSW-2482SS-3,CL-3,CL-3,S400(5)-13AR97EE	1.30	39
G22	WSW-2482SS-3,CL-3,CL-3,S400(5)-13AR97EE-G<1	1.30	37

248-2000 Single Hung Window

GO #	Model Code	U-Value (W/m ² K)	Energy Rating
G01	WSW-2482SH-3,7257(2)-3,CL-16AR97EE	1.56	26
G02	WSW-2482SH-3,7257(2)-3,CL-16AR97EE-G<1	1.56	24
G03	WSW-2482SH-3,SB60(2)-3,CL-16AR97EE	1.54	23
G04	WSW-2482SH-3,SB60(2)-3,CL-16AR97EE-G<1	1.54	21
G05	WSW-2482SH-3,CL-3,S400(3)-16AR97EE	1.66	34
G06	WSW-2482SH-3,CL-3,S400(3)-16AR97EE-G<1	1.66	31
G07	WSW-2482SH-3,7257(2)-3,CL-3,CL-11AR97EE	1.27	31
G08	WSW-2482SH-3,7257(2)-3,CL-3,CL-11AR97EE-G<1	1.31	28
G09	WSW-2482SH-3,8071(2)-3,CL-3,CL-11AR97EE	1.31	38
G10	WSW-2482SH-3,8071(2)-3,CL-3,CL-11AR97EE-G<1	1.34	35
G11	WSW-2482SH-3,SB60(2)-3,CL-3,CL-11AR97EE	1.26	28
G12	WSW-2482SH-3,SB60(2)-3,CL-3,CL-11AR97EE-G<1	1.30	26
G13	WSW-2482SH-3,CL-3,CL-3,S400(5)-11AR97EE	1.32	38
G14	WSW-2482SH-3,CL-3,CL-3,S400(5)-11AR97EE-G<1	1.32	36
G15	WSW-2482SH-3,7257(2)-3,CL-3,CL-13AR97EE	1.25	31
G16	WSW-2482SH-3,7257(2)-3,CL-3,CL-13AR97EE-G<1	1.25	30
G17	WSW-2482SH-3,8071(2)-3,CL-3,CL-13AR97EE	1.29	39
G18	WSW-2482SH-3,8071(2)-3,CL-3,CL-13AR97EE-G<1	1.29	36
G19	WSW-2482SH-3,SB60(2)-3,CL-3,CL-13AR97EE	1.24	29
G20	WSW-2482SH-3,SB60(2)-3,CL-3,CL-13AR97EE-G<1	1.24	27
G21	WSW-2482SH-3,CL-3,CL-3,S400(5)-13AR97EE	1.29	39
G22	WSW-2482SH-3,CL-3,CL-3,S400(5)-13AR97EE-G<1	1.29	36

Notes: Windows and doors 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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