

WINDOWS LISTING PROGRAM

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

Listing No. W546
 Project No. W546-1 Edition 3

Effective Date: March 14, 2017
 Last Revised Date: December 19, 2017

Standards: CSA A440.2 Energy Performance of Windows and other Fenestration Systems

Product: Vinyl Windows

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

- a) Manufacturer’s name or trademark
- b) QAI logo with ‘c’ identifier
- c) QAI file Number: W546-1
- d) The wording “Evaluated for energy performance in accordance with CSA A440.2”
- e) The wording “Évalué pour la performance d’énergie en accord à la norme CSA A440.2”

Models / Ratings: Vinyl SGI005 Casement

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VCW-CAS-3,SB60(2)-16,Ar-3,CI	1.6	21
WSW-VCW-CAS-3,CI-16,Ar-3,SG400(3)	1.7	29
WSW-VCW-CAS-3,CI-6,Ar-3,CI-6,Ar-3,SG400(5)	1.6	28
WSW-VCW-CAS-3,SB60(2)-6,Ar-3,CI-6,Ar-3,CI	1.6	20

Vinyl SGI005 Awning

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VAW-AWN-3,SB60(2)-16,Ar-3,CI	1.6	20
WSW-VAW-AWN-3,CI-16,Ar-3,SG400(3)	1.7	29
WSW-VAW-AWN-3,CI-6,Ar-3,CI-6,Ar-3,SG400(5)	1.6	27
WSW-VAW-AWN-3,SB60(2)-6,Ar-3,CI-6,Ar-3,CI	1.6	20

Vinyl SGI005 LOW Fixed

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VLFW-FIX-3,SB60(2)-16,Ar-3,CI	1.5	26
WSW-VLFW-FIX-3,CI-16,Ar-3,SG400(3)	1.7	38
WSW-VLFW-FIX-3,CI-6,Ar-3,CI-6,Ar-3,SG400(5)	1.6	36
WSW-VLFW-FIX-3,SB60(2)-6,Ar-3,CI-6,Ar-3,CI	1.5	25

Vinyl SGI005 Fixed Casement

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VFCW-FIX-3,SB60(2)-16,Ar-3,CI	1.5	24
WSW-VFCW-FIX-3,CI-16,Ar-3,SG400(3)	1.6	34
WSW-VFCW-FIX-3,CI-6,Ar-3,CI-6,Ar-3,SG400(5)	1.5	33
WSW-VFCW-FIX-3,SB60(2)-6,Ar-3,CI-6,Ar-3,CI	1.5	23

Vinyl SGI005 Single Slider

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VSSW-HS-3,SB60(2)-16,Ar-3,CI	1.6	21
WSW-VSSW-HS-3,CI-16,Ar-3,SG400(3)	1.8	30
WSW-VSSW-HS-3,CI-6,Ar-3,CI-6,Ar-3,SG400(5)	1.7	29
WSW-VSSW-HS-3,SB60(2)-6,Ar-3,CI-6,Ar-3,CI	1.6	20

Vinyl SGI016 Awning

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VAW-AWN-3,SB60-16AR-3,CL-ZF-D	1.49	22
WSW-VAW-AWN-3,SB60-16AR-3,CL-CU-D	1.58	20
WSW-VAW-AWN-3,CL-16-AR-3,SG400-ZF-D	1.6	30
WSW-VAW-AWN-3,CL-16-AR-3,SG400-CU-D	1.68	29
WSW-VAW-AWN-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-ZF-D	1.2	27
WSW-VAW-AWN-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-CU-D	1.3	25
WSW-VAW-AWN-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-ZF-D	1.24	35
WSW-VAW-AWN-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-CU-D	1.34	33

Vinyl SGI016 Casement

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VCW-CAS-3,SB60-16AR-3,CL-ZF-D	1.47	22
WSW-VCW-CAS-3,SB60-16AR-3,CL-CU-D	1.56	20
WSW-VCW-CAS-3,CL-16-AR-3,SG400-ZF-D	1.57	31
WSW-VCW-CAS-3,CL-16-AR-3,SG400-CU-D	1.66	29
WSW-VCW-CAS-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-ZF-D	1.18	28
WSW-VCW-CAS-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-CU-D	1.29	25
WSW-VCW-CAS-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-ZF-D	1.22	35
WSW-VCW-CAS-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-CU-D	1.32	33

Vinyl SGI016 Fixed Casement

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VFCW-FIX-3,SB60-16AR-3,CL-ZF-D	1.48	25
WSW-VFCW-FIX-3,SB60-16AR-3,CL-CU-D	1.54	24
WSW-VFCW-FIX-3,CL-16-AR-3,SG400-ZF-D	1.61	35
WSW-VFCW-FIX-3,CL-16-AR-3,SG400-CU-D	1.66	34
WSW-VFCW-FIX-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-ZF-D	1.16	31
WSW-VFCW-FIX-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-CU-D	1.22	29
WSW-VFCW-FIX-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-ZF-D	1.2	41
WSW-VFCW-FIX-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-CU-D	1.26	39

Vinyl SGI016 Low Fixed

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VLCW-FIX-3,SB60-16AR-3,CL-ZF-D	1.49	27
WSW-VLCW-FIX-3,SB60-16AR-3,CL-CU-D	1.55	25
WSW-VLCW-FIX-3,CL-16-AR-3,SG400-ZF-D	1.63	38
WSW-VLCW-FIX-3,CL-16-AR-3,SG400-CU-D	1.69	37
WSW-VLCW-FIX-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-ZF-D	1.12	34
WSW-VLCW-FIX-3,SB60-12.96-AR-3,CL-12.96-AR-3,CL-CU-D	1.2	32
WSW-VLCW-FIX-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-ZF-D	1.17	44
WSW-VLCW-FIX-3,CL-12.96 -AR-3,CL-12.96-AR-3,SG400-CU-D	1.24	43



Vinyl SGI010 Double Hung

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VDHW-VS-3,CL-16-AR-3,SG400-CU-D	1.75	31
WSW-VDHW-VS-3,CL-16-AR-3,SB60-CU-D	1.63	25
WSW-VDHW-VS-3,SB60-6.5-AR-3,CL-6.5-AR-3,CL-CU-D	1.60	21
WSW-VDHW-VS-3,CL-6.5 -AR-3,CL-6.5-AR-3,SG400-CU-D	1.65	30
WSW-VDHW-VS-3,CL-16-AR-3,SG400-ZF-D	1.72	31
WSW-VDHW-VS-3,CL-16AR-3,SB60-ZF-D	1.60	26
WSW-VDHW-VS-3,SB60-6.5-AR-3,CL-6.5-AR-3,CL-ZF-D	1.58	21
WSW-VDHW-VS-3,CL-6.5 -AR-3,CL-6.5-AR-3,SG400-ZF-D	1.63	31

Vinyl SGI010 Double Slider

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VDSW-HS-3,CL-16-AR-3,SG400-CU-D	1.76	29
WSW-VDSW-HS-3,CL-16-AR-3,SB60-CU-D	1.64	23
WSW-VDSW-HS-3,SB60-6.5-AR-3,CL-6.5-AR-3,CL-CU-D	1.60	19
WSW-VDSW-HS-3,CL-6.5 -AR-3,CL-6.5-AR-3,SG400-CU-D	1.65	29
WSW-VDSW-HS-3,CL-16-AR-3,SG400-ZF-D	1.73	29
WSW-VDSW-HS-3,CL-16AR-3,SB60-ZF-D	1.61	24
WSW-VDSW-HS-3,SB60-6.5-AR-3,CL-6.5-AR-3,CL-ZF-D	1.59	19
WSW-VDSW-HS-3,CL-6.5-AR-3,CL-6.5-AR-3,SG400-ZF-D	1.63	29

Vinyl SGI010 Single Hung

Model Code (Glass Option)	Window U-Value (W/m ² K)	Energy Rating (ER)
WSW-VSHW-VS-3,CL-16-AR-3,SG400-CU-D	1.62	35
WSW-VSHW-VS-3,CL-16-AR-3,SB60-CU-D	1.63	25
WSW-VSHW-VS-3,SB60-6.5-AR-3,CL-6.5-AR-3,CL-CU-D	1.61	21
WSW-VSHW-VS-3,CL-6.5-AR-3,CL-6.5-AR-3,SG400-CU-D	1.65	31
WSW-VSHW-VS-3,CL-16-AR-3,SG400-ZF-D	1.73	32
WSW-VSHW-VS-3,CL-16-AR-3,SB60-ZF-D	1.61	26
WSW-VSHW-VS-3,SB60-6.5-AR-3,CL-6.5-AR-3,CL-ZF-D	1.59	21
WSW-VSHW-VS-3,CL-6.5-AR-3,CL-6.5-AR-3,SG400-ZF-D	1.64	31

Notes: Listed products meet the energy requirements of the standards listed above. Windows 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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