

## WINDOWS LISTING PROGRAM

Customer: Vinylguard Window and Door Systems Ltd  
 Class: Windows – Energy Performance  
 Location: Woodbridge, ON  
 Website: www.vinylguard.com

Listing No. W559  
 Project No. W559-1 Edition 1

Effective Date: May 24, 2018  
 Last Revised Date: N/A

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: W559-1
- 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 ENERGYGUARD BEVELED AWNING WINDOW

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
B-AW-3/4-3,CL-3,80/70(3)-0.5AR90	1.57	33
B-AW-3/4-3,CL-3,80/70(3)-0.5AR90-GR	1.59	30
B-AW-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.33	23
B-AW-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.33	26
B-AW-7/8-3,CL-3,272(3)-0.625AR90	1.51	26
B-AW-7/8-3,CL-3,366(3)-0.625AR90	1.48	23
B-AW-7/8-3,CL-3,63/31(3)-0.625AR90	1.49	25
B-AW-7/8-3,CL-3,71/38(3)-0.625AR90	1.49	26
B-AW-7/8-3,CL-3,71/38(3)-0.625AR90-GR	1.49	25
B-AW-7/8-3,CL-3,80/70(3)-0.625AR90	1.59	32

VINYL ENERGYGUARD BEVELED CASEMENT WINDOW

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
B-CA-3/4-3,CL-3,80/70(3)-0.5AR90	1.55	33
B-CA-3/4-3,CL-3,80/70(3)-0.5AR90-GR	1.59	30
B-CA-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.29	24
B-CA-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.29	27
B-CA-7/8-3,CL-3,272(3)-0.625AR90	1.5	27
B-CA-7/8-3,CL-3,366(3)-0.625AR90	1.47	23
B-CA-7/8-3,CL-3,63/31(3)-0.625AR90	1.47	25
B-CA-7/8-3,CL-3,71/38(3)-0.625AR90	1.48	26
B-CA-7/8-3,CL-3,71/38(3)-0.625AR90-GR	1.48	25
B-CA-7/8-3,CL-3,80/70(3)-0.625AR90	1.57	33

VINYL ENERGYGUARD BEVELED FIXED CASEMENT WINDOW

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
B-FC-3/4-3,CL-3,80/70(3)-0.5AR90	1.6	36
B-FC-3/4-3,CL-3,80/70(3)-0.5AR90-GR	1.62	36
B-FC-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.3	25
B-FC-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.3	29
B-FC-7/8-3,CL-3,272(3)-0.625AR90	1.54	29
B-FC-7/8-3,CL-3,366(3)-0.625AR90	1.5	25
B-FC-7/8-3,CL-3,63/31(3)-0.625AR90	1.51	27
B-FC-7/8-3,CL-3,71/38(3)-0.625AR90	1.51	29
B-FC-7/8-3,CL-3,71/38(3)-0.625AR90-GR	1.51	27
B-FC-7/8-3,CL-3,80/70(3)-0.625AR90	1.65	33



VINYL ENERGYGUARD CONTOURED AWNING WINDOW

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-AW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90	1	29
C-AW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90F	0.97	30
C-AW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90	0.87	32
C-AW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90F	0.83	33
C-AW-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90	1.03	32
C-AW-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90F	1	32
C-AW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90	1.23	35
C-AW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90F	1.12	38
C-AW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90	1.12	38
C-AW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90F	1.08	39
C-AW-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90	1.22	30
C-AW-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90F	1.18	31
C-AW-1-3,180(2)-3,180(4)-3,189(6)-0.323AR97	1.09	35
C-AW-1-3,180(2)-3,180(4)-3,189(6)-0.323AR97GR	1.1	33
C-AW-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.13	35
C-AW-1-3,180(2)-3,CL-3,180(5)-0.323AR97F	1.09	36
C-AW-1-3,180(2)-3,CL-3,180(5)-0.323AR97GR	1.16	33
C-AW-1-3,180(2)-3,CL-3,180(5)-0.323AR97GRF	1.12	34
C-AW-3/4-3,80/70(2)-3,IS20(4)-0.5AR90	1.35	34
C-AW-3/4-3,80/70(2)-3,IS20(4)-0.5AR90F	1.29	36
C-AW-3/4-3,80/70(2)-3,IS20(4)-0.5AR90GR	1.36	32
C-AW-3/4-3,CL-3,80/70(3)-0.5AR90	1.53	32
C-AW-3/4-3,CL-3,80/70(3)-0.5AR90F	1.47	33
C-AW-3/4-3,CL-3,80/70(3)-0.5AR90GR	1.55	30
C-AW-7/8-3,180(2)-3,189(4)-0.625AR90F	1.24	36
C-AW-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.29	23

VINYL ENERGYGUARD CONTOURED AWNING WINDOW (CONTINUED)

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-AW-7/8-3,63/31(2)-3,IS20(4)-0.625AR90F	1.23	24
C-AW-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.29	26
C-AW-7/8-3,71/38(2)-3,IS20(4)-0.625AR90F	1.23	27
C-AW-7/8-3,80/70(2)-3,IS20(4)-0.625AR90	1.36	34
C-AW-7/8-3,CL-3,272(3)-0.625AR90	1.46	26
C-AW-7/8-3,CL-3,272(3)-0.625AR90F	1.4	28
C-AW-7/8-3,CL-3,366(3)-0.625AR90	1.43	23
C-AW-7/8-3,CL-3,366(3)-0.625AR90F	1.37	24
C-AW-7/8-3,CL-3,63/31(3)-0.625AR90	1.44	25
C-AW-7/8-3,CL-3,63/31(3)-0.625AR90F	1.38	26
C-AW-7/8-3,CL-3,71/38(3)-0.625AR90	1.44	26
C-AW-7/8-3,CL-3,71/38(3)-0.625AR90F	1.38	27
C-AW-7/8-3,CL-3,71/38(3)-0.625AR90GR	1.44	24
C-AW-7/8-3,CL-3,71/38(3)-0.625AR90GRF	1.38	26
C-AW-7/8-3,CL-3,80/70(3)-0.625AR90	1.53	32

VINYL ENERGYGUARD CONTOURED CASEMENT WINDOW

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-CA-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90	0.99	30
C-CA-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90F	0.93	31
C-CA-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90	0.86	33
C-CA-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90F	0.8	34
C-CA-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90	1.03	32
C-CA-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90F	0.97	33
C-CA-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90	1.2	36
C-CA-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90F	1.15	37

VINYL ENERGYGUARD CONTOURED CASEMENT WINDOW (CONTINUED)

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-CA-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90	1.1	39
C-CA-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90F	1.04	40
C-CA-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90	1.21	30
C-CA-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90F	1.15	31
C-CA-1-3,180(2)-3,180(4)-3,I89(6)-0.323AR97	1.07	36
C-CA-1-3,180(2)-3,180(4)-3,I89(6)-0.323AR97GR	1.1	34
C-CA-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.13	36
C-CA-1-3,180(2)-3,CL-3,180(5)-0.323AR97F	1.06	37
C-CA-1-3,180(2)-3,CL-3,180(5)-0.323AR97GR	1.16	33
C-CA-1-3,180(2)-3,CL-3,180(5)-0.323AR97GRF	1.09	35
C-CA-3/4-3,80/70(2)-3,IS20(4)-0.5AR90	1.32	35
C-CA-3/4-3,80/70(2)-3,IS20(4)-0.5AR90F	1.26	36
C-CA-3/4-3,80/70(2)-3,IS20(4)-0.5AR90GR	1.35	32
C-CA-3/4-3,CL-3,80/70(3)-0.5AR90	1.51	32
C-CA-3/4-3,CL-3,80/70(3)-0.5AR90F	1.45	33
C-CA-3/4-3,CL-3,80/70(3)-0.5AR90GR	1.54	30
C-CA-7/8-3,180(2)-3,I89(4)-0.625AR90F	1.21	36
C-CA-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.26	24
C-CA-7/8-3,63/31(2)-3,IS20(4)-0.625AR90F	1.2	25
C-CA-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.26	27
C-CA-7/8-3,71/38(2)-3,IS20(4)-0.625AR90F	1.2	28
C-CA-7/8-3,80/70(2)-3,IS20(4)-0.625AR90	1.32	35
C-CA-7/8-3,CL-3,272(3)-0.625AR90	1.45	27
C-CA-7/8-3,CL-3,272(3)-0.625AR90F	1.39	28
C-CA-7/8-3,CL-3,366(3)-0.625AR90	1.42	23



VINYL ENERGYGUARD CONTOURED CASEMENT WINDOW (CONTINUED)

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-CA-7/8-3,CL-3,366(3)-0.625AR90F	1.36	24
C-CA-7/8-3,CL-3,63/31(3)-0.625AR90	1.43	25
C-CA-7/8-3,CL-3,63/31(3)-0.625AR90F	1.37	27
C-CA-7/8-3,CL-3,71/38(3)-0.625AR90	1.43	26
C-CA-7/8-3,CL-3,71/38(3)-0.625AR90F	1.37	28
C-CA-7/8-3,CL-3,71/38(3)-0.625AR90GR	1.43	25
C-CA-7/8-3,CL-3,71/38(3)-0.625AR90GRF	1.37	26
C-CA-7/8-3,CL-3,80/70(3)-0.625AR90	1.52	32

VINYL ENERGYGUARD CONTOURED FIXED CASEMENT WINDOW

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-FC-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90F	1.06	37
C-FC-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90	0.93	33
C-FC-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90F	0.79	36
C-FC-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90	0.78	36
C-FC-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90F	0.65	39
C-FC-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90	0.99	36
C-FC-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90F	0.85	39
C-FC-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90	1.17	41
C-FC-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90F	1.03	44
C-FC-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90	1.06	44
C-FC-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90F	0.92	47
C-FC-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90	1.2	34
C-FC-1-3,180(2)-3,180(4)-3,189(6)-0.323AR97	0.98	42
C-FC-1-3,180(2)-3,180(4)-3,189(6)-0.323AR97GR	1.03	39

VINYL ENERGYGUARD CONTOURED FIXED CASEMENT WINDOW (CONTINUED)

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-FC-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.09	41
C-FC-1-3,180(2)-3,CL-3,180(5)-0.323AR97GR	1.15	37
C-FC-3/4-3,80/70(2)-3,IS20(4)-0.5AR90	1.31	40
C-FC-3/4-3,80/70(2)-3,IS20(4)-0.5AR90F	1.2	42
C-FC-3/4-3,80/70(2)-3,IS20(4)-0.5AR90GR	1.45	36
C-FC-3/4-3,CL-3,80/70(3)-0.5AR90	1.54	37
C-FC-3/4-3,CL-3,80/70(3)-0.5AR90F	1.43	39
C-FC-3/4-3,CL-3,80/70(3)-0.5AR90GR	1.59	33
C-FC-7/8-3,180(2)-3,189(4)-0.625AR90	1.27	40
C-FC-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.25	26
C-FC-7/8-3,63/31(2)-3,IS20(4)-0.625AR90F	1.14	28
C-FC-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.25	29
C-FC-7/8-3,71/38(2)-3,IS20(4)-0.625AR90F	1.14	32
C-FC-7/8-3,80/70(2)-3,IS20(4)-0.625AR90	1.33	39
C-FC-7/8-3,CL-3,272(3)-0.625AR90	1.48	30
C-FC-7/8-3,CL-3,272(3)-0.625AR90F	1.37	32
C-FC-7/8-3,CL-3,366(3)-0.625AR90	1.45	26
C-FC-7/8-3,CL-3,366(3)-0.625AR90F	1.34	28
C-FC-7/8-3,CL-3,63/31(3)-0.625AR90	1.46	28
C-FC-7/8-3,CL-3,63/31(3)-0.625AR90F	1.35	30
C-FC-7/8-3,CL-3,71/38(3)-0.625AR90	1.46	29
C-FC-7/8-3,CL-3,71/38(3)-0.625AR90F	1.35	32
C-FC-7/8-3,CL-3,71/38(3)-0.625AR90GR	1.46	28
C-FC-7/8-3,CL-3,71/38(3)-0.625AR90GRF	1.35	30
C-FC-7/8-3,CL-3,80/70(3)-0.625AR90	1.57	36

VINYL ENERGYGUARD CONTOURED PICTURE WINDOW

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-PW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90	0.88	36
C-PW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375AR90F	0.84	37
C-PW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90	0.71	39
C-PW-1-1/8-3,71/38(2)-3,71/38(4)-3,IS20(6)-0.375KR90F	0.67	40
C-PW-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90	0.95	39
C-PW-1-1/8-3,CL-3,71/38(3)-3,71/38(5)-0.375AR90F	0.91	40
C-PW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90	1.16	45
C-PW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375AR90F	1.12	46
C-PW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90	1.06	47
C-PW-1-1/8-3,CL-3,80/70(3)-3,IS20(6)-0.375KR90F	0.97	49
C-PW-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90	1.19	36
C-PW-1-1/8-3,CL-3,CL-3,71/38(5)-0.375AR90F	1.15	37
C-PW-1-3,180(2)-3,180(4)-3,189(6)-0.323AR97	0.95	46
C-PW-1-3,180(2)-3,180(4)-3,189(6)-0.323AR97GR	0.99	43
C-PW-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.07	45
C-PW-1-3,180(2)-3,CL-3,180(5)-0.323AR97GR	1.13	41
C-PW-3/4-3,80/70(2)-3,IS20(4)-0.5AR90	1.32	43
C-PW-3/4-3,80/70(2)-3,IS20(4)-0.5AR90F	1.27	44
C-PW-3/4-3,80/70(2)-3,IS20(4)-0.5AR90GR	1.37	39
C-PW-3/4-3,CL-3,80/70(3)-0.5AR90	1.58	39
C-PW-3/4-3,CL-3,80/70(3)-0.5AR90F	1.53	41
C-PW-3/4-3,CL-3,80/70(3)-0.5AR90GR	1.63	36
C-PW-7/8-3,180(2)-3,189(4)-0.625AR90	1.27	43
C-PW-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.25	28
C-PW-7/8-3,63/31(2)-3,IS20(4)-0.625AR90F	1.2	29

VINYL ENERGYGUARD CONTOURED PICTURE WINDOW (CONTINUED)

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
C-PW-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.25	32
C-PW-7/8-3,71/38(2)-3,IS20(4)-0.625AR90F	1.2	33
C-PW-7/8-3,80/70(2)-3,IS20(4)-0.625AR90	1.34	43
C-PW-7/8-3,CL-3,272(3)-0.625AR90	1.51	32
C-PW-7/8-3,CL-3,272(3)-0.625AR90F	1.47	33
C-PW-7/8-3,CL-3,366(3)-0.625AR90	1.47	27
C-PW-7/8-3,CL-3,366(3)-0.625AR90F	1.43	28
C-PW-7/8-3,CL-3,63/31(3)-0.625AR90	1.48	30
C-PW-7/8-3,CL-3,63/31(3)-0.625AR90F	1.44	30
C-PW-7/8-3,CL-3,71/38(3)-0.625AR90	1.48	32
C-PW-7/8-3,CL-3,71/38(3)-0.625AR90F	1.44	33
C-PW-7/8-3,CL-3,71/38(3)-0.625AR90GR	1.48	30
C-PW-7/8-3,CL-3,71/38(3)-0.625AR90GRF	1.44	30
C-PW-7/8-3,CL-3,80/70(3)-0.625AR90	1.61	39

VINYL ENERGYGUARD DOUBLE HUNG TILT

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
DHT-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.23	36
DHT-1-3,180(2)-3,CL-3,180(5)-0.323KR90	1.03	40
DHT-1-3,180(2)-3,CL-3,180(5)-0.323KR90-GR	1.08	37
DHT-3/4-3,CL-3,80/70(3)-0.5AR90	1.65	32
DHT-3/4-3,CL-3,80/70(3)-0.5AR90-GR	1.7	28
DHT-7/8-3,180(2)-3,189(4)-0.625AR90	1.35	36
DHT-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.38	21
DHT-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.38	24
DHT-7/8-3,CL-3,272(3)-0.625AR90	1.61	25

VINYL ENERGYGUARD DOUBLE HUNG TILT (CONTINUED)

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
DHT-7/8-3,CL-3,366(3)-0.625AR90	1.58	21
DHT-7/8-3,CL-3,63/31(3)-0.625AR90	1.58	23
DHT-7/8-3,CL-3,71/38(3)-0.625AR90	1.58	25
DHT-7/8-3,CL-3,71/38(3)-0.625AR90-GR	1.58	22
DHT-7/8-3,CL-3,80/70(3)-0.625AR90	1.69	31

VINYL ENERGYGUARD DOUBLE SLIDER TILT

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
DST-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.23	37
DST-1-3,180(2)-3,CL-3,180(5)-0.323KR90	1.03	41
DST-1-3,180(2)-3,CL-3,180(5)-0.323KR90-GR	1.07	38
DST-3/4-3,CL-3,80/70(3)-0.5AR90	1.7	32
DST-3/4-3,CL-3,80/70(3)-0.5AR90-GR	1.72	29
DST-7/8-3,180(2)-3,189(4)-0.625AR90	1.41	36
DST-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.39	22
DST-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.39	25
DST-7/8-3,CL-3,272(3)-0.625AR90	1.62	25
DST-7/8-3,CL-3,366(3)-0.625AR90	1.58	22
DST-7/8-3,CL-3,63/31(3)-0.625AR90	1.59	24
DST-7/8-3,CL-3,71/37(3)-0.625AR90	1.59	26
DST-7/8-3,CL-3,71/37(3)-0.625AR90-GR	1.59	23
DST-7/8-3,CL-3,80/70(3)-0.625AR90	1.66	33



VINYL ENERGYGUARD SINGLE HUNG TILT

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
SHT-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.23	37
SHT-1-3,180(2)-3,CL-3,180(5)-0.323KR90	1.02	42
SHT-1-3,180(2)-3,CL-3,180(5)-0.323KR90-GR	1.07	38
SHT-3/4-3,CL-3,80/70(3)-0.5AR90	1.67	33
SHT-3/4-3,CL-3,80/70(3)-0.5AR90-GR	1.72	30
SHT-7/8-3,180(2)-3,189(4)-0.625AR90	1.41	36
SHT-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.38	22
SHT-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.38	26
SHT-7/8-3,CL-3,272(3)-0.625AR90	1.62	26
SHT-7/8-3,CL-3,366(3)-0.625AR90	1.59	22
SHT-7/8-3,CL-3,63/31(3)-0.625AR90	1.6	24
SHT-7/8-3,CL-3,71/38(3)-0.625AR90	1.6	26
SHT-7/8-3,CL-3,71/38(3)-0.625AR90-GR	1.6	24
SHT-7/8-3,CL-3,80/70(3)-0.625AR90	1.7	33

VINYL ENERGYGUARD SINGLE SLIDER LIFTOUT

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
SSL-3/4-3,CL-3,80/70(3)-0.625AR90	1.72	34
SSL-7/8-3,180(2)-3,189(4)-0.625AR90	1.41	38
SSL-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.39	23
SSL-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.39	26
SSL-7/8-3,CL-3,272(3)-0.625AR90	1.63	27
SSL-7/8-3,CL-3,366(3)-0.625AR90	1.59	23
SSL-7/8-3,CL-3,63/31(3)-0.625AR90	1.6	25
SSL-7/8-3,CL-3,71/38(3)-0.625AR90	1.6	27
SSL-7/8-3,CL-3,71/38(3)-0.625AR90-GR	1.6	25



VINYL ENERGYGUARD SINGLE SLIDER TILT

Model Code (Glass Option)	Window U-Value (W/m <sup>2</sup> K)	Energy Rating (ER)
SST-1-3,180(2)-3,CL-3,180(5)-0.323AR97	1.23	37
SST-1-3,180(2)-3,CL-3,180(5)-0.323KR90	1.03	42
SST-1-3,180(2)-3,CL-3,180(5)-0.323KR90-GR	1.07	39
SST-3/4-3,CL-3,80/70(3)-0.5AR90	1.68	33
SST-3/4-3,CL-3,80/70(3)-0.5AR90-GR	1.72	30
SST-7/8-3,180(2)-3,189(4)-0.625AR90	1.42	36
SST-7/8-3,63/31(2)-3,IS20(4)-0.625AR90	1.39	22
SST-7/8-3,71/38(2)-3,IS20(4)-0.625AR90	1.4	26
SST-7/8-3,CL-3,272(3)-0.625AR90	1.63	26
SST-7/8-3,CL-3,366(3)-0.625AR90	1.59	22
SST-7/8-3,CL-3,63/31(3)-0.625AR90	1.6	24
SST-7/8-3,CL-3,71/38(3)-0.625AR90	1.6	26
SST-7/8-3,CL-3,71/38(3)-0.625AR90-GR	1.6	24
SST-7/8-3,CL-3,80/70(3)-0.625AR90	1.72	33



# LABORATORIES

CERTIFICATION TESTING INSPECTION

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WASHINGTON, DC: 540.636.9445 ph. | 540.636.9414 fx.  
TULSA, OK: 918.437.8333 ph. | 918.437.8487 fx.  
TORONTO, ON: 905.605.5444  
SEATTLE, WA: 425.512.8419  
WEBSITE: WWW.QAI.ORG

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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