

## WINDOWS & DOORS LISTING PROGRAM

**Customer:** Lux Windows & Glass Ltd.  
**Class:** Fenestration Products – Energy Performance  
**Location:** Calgary, Alberta  
**Website:** <http://www.luxwindows.com>

**Listing No.** W475-1  
**Report No.** W475-1 ED8  
**Project No.** W475-1 ED8 R1  
**Effective Date:** March 21, 2011  
**Last Revised Date:** May 10, 2019  
**Expires:** N/A

**Standards:** CSA A440.2-09 “Fenestration Energy Performance”

**Product:** Wood 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: W475
- 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:

#### 1401 Series Aluminum Clad Wood Picture Window

Glass / Grille Option #	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G01	P-LE(5,e.042)-Arg(11.5)-Cl(5)	1.53	28
G01G1	P-LE(5,e.042)-Arg(11.5)-Cl(5)-G1	1.58	26
G01G2	P-LE(5,e.042)-Arg(11.5)-Cl(5)-G2	1.60	25

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G02	P-LE(5,e.022)-Arg(11.5)-i89(5,e.149)	1.24	27
G02G1	P-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G1	1.28	25
G02G2	P-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G2	1.30	24
G03	P-LE(3,e.042)-Arg(14.5)-Cl(3)	1.56	27
G03G1	P-LE(3,e.042)-Arg(14.5)-Cl(3)-G1	1.59	25
G03G2	P-LE(3,e.042)-Arg(14.5)-Cl(3)-G2	1.60	25
G04	P-LE(3,e.022)-Arg(14.5)-i89(3,e.149)	1.25	26
G04G1	P-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G1	1.29	25
G04G2	P-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G2	1.29	24
G05	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)	1.25	32
G05G1	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G1	1.27	31
G05G2	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G2	1.29	30
G06	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)	0.96	37
G06G1	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G1	0.98	36
G06G2	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G2	0.99	35
G07	P-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)	1.05	30
G07G1	P-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G1	1.08	28
G07G2	P-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G2	1.09	28
G08	P-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)	1.48	27
G08G1	P-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G1	1.58	24
G08G2	P-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G2	1.61	23
G09	P-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)	1.22	31
G09G1	P-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G1	1.27	29
G09G2	P-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G2	1.29	28
G10	P-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)	1.23	26
G10G1	P-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G1	1.30	24
G10G2	P-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G2	1.33	23
G11	P-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)	1.17	34
G11G1	P-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G1	1.19	33
G11G2	P-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G2	1.20	32
G12	P-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)	0.85	40
G12G1	P-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G1	0.86	38
G12G2	P-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G2	0.86	38
G13	P-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)	0.98	31
G13G1	P-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G1	1.00	30
G13G2	P-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G2	1.01	29
G14	P-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)	1.23	33
G14G1	P-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G1	1.26	31
G14G2	P-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G2	1.28	30
G15	P-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)	0.96	37
G15G1	P-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G1	0.97	36
G15G2	P-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G2	0.98	35

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G16	P-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)	1.04	30
G16G1	P-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G1	1.07	29
G16G2	P-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G2	1.08	28
G17	P-Cl(3)-Arg(14.5)-LE(3,e.068)	1.63	40
G17G3	P-Cl(3)-Arg(14.5)-LE(3,e.068)-G	1.59	30
G18	P-Cl(5)-Arg(11.5)-LE(5,e.068)	1.61	39
G18G3	P-Cl(5)-Arg(11.5)-LE(5,e.068)-G	1.60	29
G19	P-GR(6,e.84)-Arg(11.5)-LE(4,e.042)	1.55	15
G19G3	P-GR(6,e.84)-Arg(11.5)-LE(4,e.042)-G	1.56	12
G20	P-Cl(3)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)	1.28	44
G20G3	P-Cl(3)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)-G	1.30	33
G21	P-Cl(5)-Arg(8)-Cl(6)-Arg(8)-LE(5,e.068)	1.39	39
G21G3	P-Cl(5)-Arg(8)-Cl(6)-Arg(8)-LE(5,e.068)-G	1.43	29
G22	P-GR(6,e.84)-Arg(8)-Cl(5)-Arg(8)-LE(4,e.042)	1.36	19
G22G3	P-GR(6,e.84)-Arg(8)-Cl(5)-Arg(8)-LE(4,e.042)-G	1.41	15
G23	P-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)	0.90	32
G23G3	P-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)-G	1.00	27
G24	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)	1.02	37
G24G3	P-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)-G	1.06	30
G25	P-LE(4,e.037)-Arg(9.8)-Lami(6)	1.58	24
G26	P-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)	0.89	37
G26G3	P-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)-G3	1.00	34
G27	P-LE(4,e.037)-Arg(11.5)-LE(4,e.068)-Arg(11.5)-LE(4,e.149)	0.82	38
G27G3	P-LE(4,e.037)-Arg(11.5)-LE(4,e.068)-Arg(11.5)-LE(4,e.149)-G3	0.91	36
G28	P-LE(5,e.037)-Arg(9.8)-LE(5,e.068)-Arg(9.8)-LE(5,e.149)	0.88	36
G28G3	P-LE(5,e.037)-Arg(9.8)-LE(5,e.068)-Arg(9.8)-LE(5,e.149)-G3	1.00	34
G29	P-LE(6,e.037)-Arg(8.0)-LE(6,e.068)-Arg(8.0)-LE(6,e.149)	0.97	34
G29G3	P-LE(6,e.037)-Arg(8.0)-LE(6,e.068)-Arg(8.0)-LE(6,e.149)-G3	1.15	30

### **1402 Series Aluminum Clad Wood Fixed Window**

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G01	F-LE(5,e.042)-Arg(11.5)-Cl(5)	1.54	25
G01G1	F-LE(5,e.042)-Arg(11.5)-Cl(5)-G1	1.58	23
G01G2	F-LE(5,e.042)-Arg(11.5)-Cl(5)-G2	1.60	22
G02	F-LE(5,e.022)-Arg(11.5)-i89(5,e.149)	1.28	25
G02G1	F-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G1	1.32	23

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G02G2	F-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G2	1.33	22
G03	F-LE(3,e.042)-Arg(14.5)-Cl(3)	1.56	25
G03G1	F-LE(3,e.042)-Arg(14.5)-Cl(3)-G1	1.59	24
G03G2	F-LE(3,e.042)-Arg(14.5)-Cl(3)-G2	1.60	23
G04	F-LE(3,e.022)-Arg(14.5)-i89(3,e.149)	1.29	24
G04G1	F-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G1	1.32	23
G04G2	F-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G2	1.33	22
G05	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)	1.30	29
G05G1	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G1	1.33	28
G05G2	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G2	1.34	27
G06	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)	1.05	33
G06G1	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G1	1.07	32
G06G2	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G2	1.07	32
G07	F-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)	1.13	27
G07G1	F-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G1	1.16	26
G07G2	F-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G2	1.17	25
G08	F-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)	1.51	24
G08G1	F-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G1	1.60	22
G08G2	F-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G2	1.63	20
G09	F-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)	1.27	28
G09G1	F-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G1	1.32	26
G09G2	F-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G2	1.34	25
G10	F-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)	1.29	23
G10G1	F-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G1	1.36	21
G10G2	F-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G2	1.38	20
G11	F-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)	1.23	31
G11G1	F-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G1	1.25	29
G11G2	F-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G2	1.25	29
G12	F-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)	0.94	36
G12G1	F-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G1	0.95	35
G12G2	F-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G2	0.95	34
G13	F-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)	1.06	28
G13G1	F-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G1	1.08	27
G13G2	F-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G2	1.08	27
G14	F-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)	1.29	29
G14G1	F-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G1	1.32	28
G14G2	F-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G2	1.33	27
G15	F-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)	1.04	33
G15G1	F-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G1	1.05	32
G15G2	F-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G2	1.06	31
G16	F-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)	1.11	27
G16G1	F-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G1	1.14	26

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G16G2	F-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G2	1.15	25
G17	F-Cl(3)-Arg(14.5)-LE(3,e.068)	1.62	36
G17G3	F-Cl(3)-Arg(14.5)-LE(3,e.068)-G	1.59	27
G18	F-Cl(5)-Arg(11.5)-LE(5,e.068)	1.61	35
G18G3	F-Cl(5)-Arg(11.5)-LE(5,e.068)-G	1.59	26
G19	F-GR(6,e.84)-Arg(11.5)-LE(4,e.042)	1.56	14
G19G3	F-GR(6,e.84)-Arg(11.5)-LE(4,e.042)-G	1.56	12
G20	F-Cl(3)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)	1.34	39
G20G3	F-Cl(3)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)-G	1.35	29
G21	F-Cl(5)-Arg(8)-Cl(6)-Arg(8)-LE(5,e.068)	1.42	35
G21G3	F-Cl(5)-Arg(8)-Cl(6)-Arg(8)-LE(5,e.068)-G	1.46	26
G22	F-GR(6,e.84)-Arg(8)-Cl(5)-Arg(8)-LE(4,e.042)	1.40	17
G22G3	F-GR(6,e.84)-Arg(8)-Cl(5)-Arg(8)-LE(4,e.042)-G	1.44	14
G23	F-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)	0.99	29
G23G3	F-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)-G	1.08	24
G24	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)	1.10	33
G24G3	F-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)-G	1.13	27
G25	F-LE(4,e.037)-Arg(9.8)-Lami(6)	1.56	23
G26	F-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)	0.98	34
G26G3	F-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)-G3	1.08	31
G27	F-LE(4,e.037)-Arg(11.5)-LE(4,e.068)-Arg(11.5)-LE(4,e.149)	0.91	35
G27G3	F-LE(4,e.037)-Arg(11.5)-LE(4,e.068)-Arg(11.5)-LE(4,e.149)-G3	0.99	33
G28	F-LE(5,e.037)-Arg(9.8)-LE(5,e.068)-Arg(9.8)-LE(5,e.149)	0.96	33
G28G3	F-LE(5,e.037)-Arg(9.8)-LE(5,e.068)-Arg(9.8)-LE(5,e.149)-G3	1.07	31
G29	F-LE(6,e.037)-Arg(8.0)-LE(6,e.068)-Arg(8.0)-LE(6,e.149)	1.04	31
G29G3	F-LE(6,e.037)-Arg(8.0)-LE(6,e.068)-Arg(8.0)-LE(6,e.149)-G3	1.21	27

### 1403 Series Aluminum Clad Wood Casement Window

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G01	C-LE(5,e.042)-Arg(11.5)-Cl(5)	1.61	21
G01G1	C-LE(5,e.042)-Arg(11.5)-Cl(5)-G1	1.64	20
G01G2	C-LE(5,e.042)-Arg(11.5)-Cl(5)-G2	1.66	19
G02	C-LE(5,e.022)-Arg(11.5)-i89(5,e.149)	1.38	21
G02G1	C-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G1	1.41	20
G02G2	C-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G2	1.42	19
G03	C-LE(3,e.042)-Arg(14.5)-Cl(3)	1.62	21

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G03G1	C-LE(3,e.042)-Arg(14.5)-Cl(3)-G1	1.64	20
G03G2	C-LE(3,e.042)-Arg(14.5)-Cl(3)-G2	1.65	19
G04	C-LE(3,e.022)-Arg(14.5)-i89(3,e.149)	1.39	21
G04G1	C-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G1	1.41	20
G04G2	C-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G2	1.41	20
G05	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)	1.39	25
G05G1	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G1	1.41	24
G05G2	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G2	1.42	23
G06	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)	1.17	29
G06G1	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G1	1.18	28
G06G2	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G2	1.19	27
G07	C-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)	1.24	23
G07G1	C-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G1	1.26	22
G07G2	C-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G2	1.27	21
G08	C-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)	1.58	20
G08G1	C-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G1	1.65	18
G08G2	C-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G2	1.67	18
G09	C-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)	1.38	24
G09G1	C-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G1	1.41	22
G09G2	C-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G2	1.42	22
G10	C-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)	1.38	20
G10G1	C-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G1	1.43	19
G10G2	C-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G2	1.45	17
G11	C-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)	1.31	27
G11G1	C-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G1	1.32	26
G11G2	C-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G2	1.33	25
G12	C-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)	1.06	31
G12G1	C-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G1	1.06	31
G12G2	C-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G2	1.06	30
G13	C-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)	1.16	25
G13G1	C-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G1	1.17	24
G13G2	C-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G2	1.18	23
G14	C-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)	1.37	25
G14G1	C-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G1	1.39	24
G14G2	C-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G2	1.40	23
G15	C-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)	1.15	29
G15G1	C-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G1	1.16	28
G15G2	C-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G2	1.17	27
G16	C-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)	1.21	23
G16G1	C-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G1	1.23	23
G16G2	C-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G2	1.24	22
G17	C-Cl(3)-Arg(14.5)-LE(3,e.068)	1.68	32

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G17G3	C-Cl(3)-Arg(14.5)-LE(3,e.068)-G	1.65	24
G18	C-Cl(5)-Arg(11.5)-LE(5,e.068)	1.68	30
G18G3	C-Cl(5)-Arg(11.5)-LE(5,e.068)-G	1.67	22
G19	C-GR(6,e.84)-Arg(11.5)-LE(4,e.042)	1.64	11
G19G3	C-GR(6,e.84)-Arg(11.5)-LE(4,e.042)-G	1.64	9
G20	C-Cl(3)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)	1.43	34
G20G3	C-Cl(3)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)-G	1.44	26
G21	C-Cl(5)-Arg(8)-Cl(6)-Arg(8)-LE(5,e.068)	1.50	30
G21G3	C-Cl(5)-Arg(8)-Cl(6)-Arg(8)-LE(5,e.068)-G	1.53	23
G22	C-GR(6,e.84)-Arg(8)-Cl(5)-Arg(8)-LE(4,e.042)	1.48	15
G22G3	C-GR(6,e.84)-Arg(8)-Cl(5)-Arg(8)-LE(4,e.042)-G	1.51	12
G23	C-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)	1.12	25
G23G3	C-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)-G	1.20	21
G24	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)	1.23	28
G24G3	C-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.068)-G	1.25	24
G25	C-LE(4,e.037)-Arg(9.8)-Lami(6)	1.65	19
G26	C-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)	1.08	29
G26G3	C-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)-G3	1.16	27
G27	C-LE(4,e.037)-Arg(8.0)-LE(4,e.068)-Arg(8.0)-LE(4,e.149)	1.15	28
G27G3	C-LE(4,e.037)-Arg(8.0)-LE(4,e.068)-Arg(8.0)-LE(4,e.149)-G3	1.28	25
G28	C-LE(5,e.037)-Arg(6.5)-LE(5,e.068)-Arg(6.5)-LE(5,e.149)	1.24	26
G28G3	C-LE(5,e.037)-Arg(6.5)-LE(5,e.068)-Arg(6.5)-LE(5,e.149)-G3	1.29	24

### 1404 Series Aluminum Clad Wood Awning Window

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G01	A-LE(5,e.042)-Arg(11.5)-Cl(5)	1.60	22
G01G1	A-LE(5,e.042)-Arg(11.5)-Cl(5)-G1	1.63	20
G01G2	A-LE(5,e.042)-Arg(11.5)-Cl(5)-G2	1.64	19
G02	A-LE(5,e.022)-Arg(11.5)-i89(5,e.149)	1.40	20
G02G1	A-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G1	1.40	20
G02G2	A-LE(5,e.022)-Arg(11.5)-i89(5,e.149)-G2	1.41	19
G03	A-LE(3,e.042)-Arg(14.5)-Cl(3)	1.62	21
G03G1	A-LE(3,e.042)-Arg(14.5)-Cl(3)-G1	1.63	20
G03G2	A-LE(3,e.042)-Arg(14.5)-Cl(3)-G2	1.64	19
G04	A-LE(3,e.022)-Arg(14.5)-i89(3,e.149)	1.40	20
G04G1	A-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G1	1.40	20

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G04G2	A-LE(3,e.022)-Arg(14.5)-i89(3,e.149)-G2	1.41	19
G05	A-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)	1.39	25
G05G1	A-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G1	1.39	24
G05G2	A-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-Cl(3)-G2	1.40	24
G06	A-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)	1.16	29
G06G1	A-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G1	1.17	28
G06G2	A-LE(3,e.042)-Arg(9.8)-Cl(4)-Arg(9.8)-LE(3,e.042)-G2	1.17	27
G07	A-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)	1.25	23
G07G1	A-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G1	1.25	22
G07G2	A-LE(3,e.022)-Arg(9.8)-Cl(4)-Arg(9.8)-i89(3,e.149)-G2	1.26	21
G08	A-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)	1.58	21
G08G1	A-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G1	1.63	19
G08G2	A-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-Cl(5)-G2	1.65	18
G09	A-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)	1.37	24
G09G1	A-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G1	1.39	23
G09G2	A-LE(5,e.042)-Arg(6.5)-Cl(6)-Arg(6.5)-LE(5,e.042)-G2	1.40	22
G10	A-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)	1.40	20
G10G1	A-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G1	1.43	18
G10G2	A-LE(5,e.022)-Arg(6.5)-Cl(6)-Arg(6.5)-i89(5,e.149)-G2	1.44	18
G11	A-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)	1.30	27
G11G1	A-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G1	1.31	26
G11G2	A-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-Cl(3)-G2	1.31	26
G12	A-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)	1.05	31
G12G1	A-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G1	1.05	31
G12G2	A-LE(3,e.042)-Arg(13)-Cl(4)-Arg(13)-LE(3,e.042)-G2	1.05	30
G13	A-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)	1.17	25
G13G1	A-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G1	1.17	24
G13G2	A-LE(3,e.022)-Arg(13)-Cl(4)-Arg(13)-i89(3,e.149)-G2	1.17	23
G14	A-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)	1.36	25
G14G1	A-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G1	1.37	24
G14G2	A-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-Cl(5)-G2	1.38	23
G15	A-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)	1.14	29
G15G1	A-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G1	1.14	28
G15G2	A-LE(5,e.042)-Arg(9.8)-Cl(6)-Arg(9.8)-LE(5,e.042)-G2	1.15	27
G16	A-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)	1.22	23
G16G1	A-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G1	1.22	23
G16G2	A-LE(5,e.022)-Arg(9.8)-Cl(6)-Arg(9.8)-i89(5,e.149)-G2	1.23	22
G17	A-Cl(3)-Arg(14.5)-LE(3,e.068)	1.68	31
G17G3	A-Cl(3)-Arg(14.5)-LE(3,e.068)-G	1.62	25
G18	A-Cl(5)-Arg(11.5)-LE(5,e.068)	1.67	30
G18G3	A-Cl(5)-Arg(11.5)-LE(5,e.068)-G	1.63	23
G19	A-GR(6,e.84)-Arg(11.5)-LE(4,e.042)	1.63	11



Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G19G3	A-GR(6,e.84)-Arg(11.5)-LE(4,e.042)-G	1.60	10
G20	A-CI(3)-Arg(9.8)-CI(4)-Arg(9.8)-LE(3,e.068)	1.42	34
G20G3	A-CI(3)-Arg(9.8)-CI(4)-Arg(9.8)-LE(3,e.068)-G	1.41	27
G21	A-CI(5)-Arg(8)-CI(6)-Arg(8)-LE(5,e.068)	1.49	31
G21G3	A-CI(5)-Arg(8)-CI(6)-Arg(8)-LE(5,e.068)-G	1.49	24
G22	A-GR(6,e.84)-Arg(8)-CI(5)-Arg(8)-LE(4,e.042)	1.47	15
G22G3	A-GR(6,e.84)-Arg(8)-CI(5)-Arg(8)-LE(4,e.042)-G	1.48	13
G23	A-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)	1.12	25
G23G3	A-LE(3,e.022)-Arg(9.8)-LE(4,e.068)-Arg(9.8)-i89(3,e.149)-G	1.17	21
G24	A-LE(3,e.042)-Arg(9.8)-CI(4)-Arg(9.8)-LE(3,e.068)	1.22	28
G24G3	A-LE(3,e.042)-Arg(9.8)-CI(4)-Arg(9.8)-LE(3,e.068)-G	1.22	24
G25	A-LE(4,e.037)-Arg(9.8)-Lami(6)	1.64	19
G26	A-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)	1.10	29
G26G3	A-LE(3,e.037)-Arg(9.8)-LE(3,e.068)-Arg(9.8)-LE(3,e.149)-G3	1.17	27
G27	A-LE(4,e.037)-Arg(8.0)-LE(4,e.068)-Arg(8.0)-LE(4,e.149)	1.18	27
G27G3	A-LE(4,e.037)-Arg(8.0)-LE(4,e.068)-Arg(8.0)-LE(4,e.149)-G3	1.28	24
G28	A-LE(5,e.037)-Arg(6.5)-LE(5,e.068)-Arg(6.5)-LE(5,e.149)	1.27	25
G28G3	A-LE(5,e.037)-Arg(6.5)-LE(5,e.068)-Arg(6.5)-LE(5,e.149)-G3	1.30	24

### 2450 Series Aluminum Clad Wood Sliding Door

Option # Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G01	PD-LE(3,e.042)-Arg(9.5)-CI(3)	1.85	14
G01G3	PD-LE(3,e.042)-Arg(9.5)-CI(3)-G3	1.85	8
G02	PD-LE(3,e.022)-Arg(9.5)-LE(3,e.149)	1.63	13
G02G3	PD-LE(3,e.022)-Arg(9.5)-LE(3,e.149)-G3	1.78	6
G03	PD-CI(3)-Arg(9.5)-LE(3,e.068)	1.88	23
G03G3	PD-CI(3)-Arg(9.5)-LE(3,e.068)-G3	1.88	12
G04	PD-CI(5)-Arg(6.5)-LE(5,e.068)	2.10	17
G04G3	PD-CI(5)-Arg(6.5)-LE(5,e.068)-G3	2.18	5
G05	PD-GR(6,e.850)-Arg(6.5)-LE(4,e.042)	2.08	1
G05G3	PD-GR(6,e.850)-Arg(6.5)-LE(4,e.042)-G3	2.18	-5
G06	PD-LE(3,e.042)-Arg(11.1)-LE(3,e.149)	1.55	15
G06G3	PD-LE(3,e.042)-Arg(11.1)-LE(3,e.149)-G3	1.63	9
G07	PD-LE(3,e.042)-Arg(12.7)-LE(3,e.149)	1.55	15
G07G3	PD-LE(3,e.042)-Arg(12.7)-LE(3,e.149)-G3	1.67	8

### 3600 Series (Hybrid Fir) Sliding Door

Option #	Glass / Grille	Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
G01		LUX-FHBRD-SLD-G01-3,CL-3,068(4)-16,Ar-XL	1.75	24
G01G4		LUX-FHBRD-SLD-G01G4-3,CL-3,068(4)-16,Ar-XL-S	1.88	15
G02		LUX-FHBRD-SLD-G02-6,CL-3,068(4)-13,Ar-XL	1.74	22
G02G4		LUX-FHBRD-SLD-G02G4-6,CL-3,068(4)-13,Ar-XL-S	1.88	14
G03		LUX-FHBRD-SLD-G03-3,042(2)-3,CL-16,Ar-XL	1.61	18
G03G4		LUX-FHBRD-SLD-G03G4-3,042(2)-3,CL-16,Ar-XL-S	1.60	15
G04		LUX-FHBRD-SLD-G04-6,042(2)-3,CL-13,Ar-XL	1.59	19
G04G4		LUX-FHBRD-SLD-G04G4-6,042(2)-3,CL-13,Ar-XL-S	1.59	15
G05		LUX-FHBRD-SLD-G05-6,850(1)-3,042(3)-13,Ar-XL	1.59	10
G05G4		LUX-FHBRD-SLD-G05G4-6,850(1)-3,042(3)-13,Ar-XL-S	1.59	8
G06		LUX-FHBRD-SLD-G06-3,022(2)-3,149(4)-16,Ar-XL	1.39	19
G06G4		LUX-FHBRD-SLD-G06G4-3,022(2)-3,149(4)-16,Ar-XL-S	1.46	15
G07		LUX-FHBRD-SLD-G07-3,CL-3,CL-3,068(6)-12,Ar-XL	1.44	28
G07G4		LUX-FHBRD-SLD-G07G4-3,CL-3,CL-3,068(6)-12,Ar-XL-S	1.56	21
G08		LUX-FHBRD-SLD-G08-6,CL-3,CL-3,068(6)-10,Ar-XL	1.47	27
G08G4		LUX-FHBRD-SLD-G08G4-6,CL-3,CL-3,068(6)-10,Ar-XL-S	1.60	19
G09		LUX-FHBRD-SLD-G09-3,042(2)-3,CL-3,CL-12,Ar-XL	1.36	23
G09G4		LUX-FHBRD-SLD-G09G4-3,042(2)-3,CL-3,CL-12,Ar-XL-S	1.38	19
G10		LUX-FHBRD-SLD-G10-3,042(2)-3,CL-3,068(6)-12,Ar-XL	1.22	26
G10G4		LUX-FHBRD-SLD-G10G4-3,042(2)-3,CL-3,068(6)-12,Ar-XL-S	1.30	21
G11		LUX-FHBRD-SLD-G11-3,022(2)-3,CL-3,149(6)-12,Ar-XL	1.23	21
G11G4		LUX-FHBRD-SLD-G11G4-3,022(2)-3,CL-3,149(6)-12,Ar-XL-S	1.30	18
G12		LUX-FHBRD-SLD-G12-3,022(2)-3,068(4)-3,149(6)-12,Ar-XL	1.01	26
G12G4		LUX-FHBRD-SLD-G12G4-3,022(2)-3,068(4)-3,149(6)-12,Ar-XL-S	1.16	20
G13		LUX-FHBRD-SLD-G13-6,850(1)-3,CL-3,042(5)-10,Ar-XL	1.39	14
G13G4		LUX-FHBRD-SLD-G13G4-6,850(1)-3,CL-3,042(5)-10,Ar-XL-S	1.43	12
G14		LUX-FHBRD-SLD-G14-3,037(2)-3,068(4)-3,149(6)-12,Ar-EN	1.14	26
G14G4		LUX-FHBRD-SLD-G14G4-3,037(2)-3,068(4)-3,149(6)-12,Ar-EN-S	1.22	24
G15		LUX-FHBRD-SLD-G15-4,037(2)-4,068(4)-4,149(6)-10,Ar-EN	1.19	24
G15G4		LUX-FHBRD-SLD-G15G4-4,037(2)-4,068(4)-4,149(6)-10,Ar-EN-S	1.28	22
G16		LUX-FHBRD-SLD-G16-5,037(2)-5,068(4)-5,149(6)-8,Ar-EN	1.25	23
G16G4		LUX-FHBRD-SLD-G16G4-5,037(2)-5,068(4)-5,149(6)-8,Ar-EN-S	1.40	20
G17		LUX-FHBRD-SLD-G17-6,037(2)-6,068(4)-6,149(6)-7,Ar-EN	1.32	21
G17G4		LUX-FHBRD-SLD-G17G4-6,037(2)-6,068(4)-6,149(6)-7,Ar-EN-S	1.38	20

**Notes:** 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.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at [www.qai.org](http://www.qai.org) for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to [info@qai.org](mailto:info@qai.org). Please include the listing number in the request.