



## WINDOWS & DOORS LISTING PROGRAM

**Customer:** Miranda Vinyl Products  
**Class:** Fenestration Products – Energy Performance  
**Location:** Cambridge, Ontario  
**Website:** [www.mirandavinyllwindows.com](http://www.mirandavinyllwindows.com)

**Listing No.** W597-1  
**Project No.** W597-1 ED1  
**Effective Date:** April 30, 2024  
**Last Revised Date:** April 30, 2024  
**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: W597
- 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:

#### 109C Series Low Profile Fixed Window

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	MVP-109LPF-3,180(2)-3,i89(4)-16AR90TI	1.30	0.54	43
G02	MVP-109LPF-3,180(2)-3,i89(4)-16AR90TI-G1<1	1.30	0.49	40
G03	MVP-109LPF-3,180(2)-3,i89(4)-16AR90SP	1.25	0.54	44
G04	MVP-109LPF-3,180(2)-3,i89(4)-16AR90SP-G1<1	1.25	0.49	41
G05	MVP-109LPF-3,180(2)-3,CL-16AR90TI	1.60	0.56	37



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G06	MVP-109LPF-3,180(2)-3,CL-16AR90TI-G1<1	1.60	0.50	34
G07	MVP-109LPF-3,180(2)-3,CL-16AR90SP	1.55	0.56	38
G08	MVP-109LPF-3,180(2)-3,CL-16AR90SP-G1<1	1.55	0.50	35
G09	MVP-109LPF-3,180(2)-3,CL-3,180(5)-11AR90SP	0.92	0.48	47
G10	MVP-109LPF-4,180(2)-4,CL-4,180(5)-10AR90SP	0.98	0.47	45
G11	MVP-109LPF-5,180(2)-5,CL-5,180(5)-8AR90SP	1.07	0.46	43
G12	MVP-109LPF-3,272(2)-3,CL-16AR90SP	1.51	0.36	28

**109C Series Fixed Casement Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	MVP-109FC-3,180(2)-3,i89(4)-16AR90TI	1.30	0.48	39
G02	MVP-109FC-3,180(2)-3,i89(4)-16AR90TI-G1<1	1.30	0.43	36
G03	MVP-109FC-3,180(2)-3,i89(4)-16AR90SP	1.25	0.48	40
G04	MVP-109FC-3,180(2)-3,i89(4)-16AR90SP-G1<1	1.25	0.43	37
G05	MVP-109FC-3,180(2)-3,CL-16AR90TI	1.55	0.50	35
G06	MVP-109FC-3,180(2)-3,CL-16AR90TI-G1<1	1.55	0.44	31
G07	MVP-109FC-3,180(2)-3,CL-16AR90SP	1.50	0.50	36
G08	MVP-109FC-3,180(2)-3,CL-16AR90SP-G1<1	1.50	0.44	32
G09	MVP-109FC-3,180(2)-3,CL-3,180(5)-11AR90SP	0.96	0.43	44
G10	MVP-109FC-4,180(2)-4,CL-4,180(5)-10AR90SP	1.02	0.42	42
G11	MVP-109FC-5,180(2)-5,CL-5,180(5)-8AR90SP	1.10	0.41	39
G12	MVP-109FC-3,272(2)-3,CL-16AR90SP	1.49	0.32	26

**109C Series Casement Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	MVP-109CA-3,180(2)-3,i89(4)-16AR90TI	1.40	0.41	33
G02	MVP-109CA-3,180(2)-3,i89(4)-16AR90TI-G1<1	1.40	0.37	30
G03	MVP-109CA-3,180(2)-3,i89(4)-16AR90SP	1.30	0.41	35
G04	MVP-109CA-3,180(2)-3,i89(4)-16AR90SP-G1<1	1.30	0.37	33
G05	MVP-109CA-3,180(2)-3,CL-16AR90TI	1.60	0.42	29
G06	MVP-109CA-3,180(2)-3,CL-16AR90TI-G1<1	1.60	0.38	27
G07	MVP-109CA-3,272(2)-3,CL-16AR90TI	1.55	0.27	21
G08	MVP-109CA-3,272(2)-3,CL-16AR90TI-G1<1	1.55	0.25	20
G09	MVP-109CA-3,366(2)-3,CL-16AR90TI	1.55	0.18	16
G10	MVP-109CA-3,366(2)-3,CL-16AR90TI-G1<1	1.55	0.16	15
G11	MVP-109CA-3,180(2)-3,CL-16AR90SP	1.50	0.42	31
G12	MVP-109CA-3,180(2)-3,CL-16AR90SP-G1<1	1.50	0.38	29
G13	MVP-109CA-3,366(2)-3,CL-16AR90SP	1.45	0.18	18
G14	MVP-109CA-3,366(2)-3,CL-16AR90SP-G1<1	1.45	0.16	17
G15	MVP-109CA-3,180(2)-3,CL-3,180(5)-11AR90SP	1.04	0.36	38



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G16	MVP-109CA-3,272(2)-3,CL-16AR90SP	1.49	0.27	23
G17	MVP-109CA-3,272(2)-3,CL-16AR90SP-G1<1	1.50	0.25	21

**109C Series Awning Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	MVP-109AW-3,180(2)-3,i89(4)-16AR90TI	1.40	0.41	33
G02	MVP-109AW-3,180(2)-3,i89(4)-16AR90TI-G1<1	1.40	0.37	31
G03	MVP-109AW-3,180(2)-3,i89(4)-16AR90SP	1.35	0.41	34
G04	MVP-109AW-3,180(2)-3,i89(4)-16AR90SP-G1<1	1.35	0.37	32
G05	MVP-109AW-3,180(2)-3,CL-16AR90TI	1.60	0.42	29
G06	MVP-109AW-3,180(2)-3,CL-16AR90TI-G1<1	1.60	0.38	27
G07	MVP-109AW-3,180(2)-3,CL-16AR90SP	1.55	0.42	30
G08	MVP-109AW-3,180(2)-3,CL-16AR90SP-G1<1	1.55	0.38	28
G09	MVP-109AW-3,180(2)-3,CL-3,180(5)-11AR90SP	1.05	0.36	38
G10	MVP-109AW-3,272(2)-3,CL-16AR90SP	1.50	0.27	23

**109C Series Single Sliding Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	MVP-109SS-3,180(2)-3,i89(4)-16AR90TI	1.45	0.49	35
G02	MVP-109SS-3,180(2)-3,i89(4)-16AR90TI-G1<1	1.45	0.44	32
G03	MVP-109SS-3,180(2)-3,i89(4)-16AR90SP	1.40	0.49	36
G04	MVP-109SS-3,180(2)-3,i89(4)-16AR90SP-G1<1	1.40	0.44	33
G05	MVP-109SS-3,180(2)-3,CL-16AR90TI	1.75	0.51	30
G06	MVP-109SS-3,180(2)-3,CL-16AR90TI-G1<1	1.75	0.45	26
G07	MVP-109SS-3,180(2)-3,CL-16AR90SP	1.65	0.51	32
G08	MVP-109SS-3,180(2)-3,CL-16AR90SP-G1<1	1.65	0.45	28
G09	MVP-109SS-3,180(2)-3,CL-3,180(5)-7AR90SP	1.38	0.44	34
G10	MVP-109SS-3,272(2)-3,CL-16AR90SP	1.62	0.33	22

**109C Series Single Hung Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	MVP-109SH-3,180(2)-3,i89(4)-16AR90TI	1.45	0.49	36
G02	MVP-109SH-3,180(2)-3,i89(4)-16AR90TI-G1<1	1.45	0.44	33
G03	MVP-109SH-3,180(2)-3,i89(4)-16AR90SP	1.40	0.49	37
G04	MVP-109SH-3,180(2)-3,i89(4)-16AR90SP-G1<1	1.40	0.44	34
G05	MVP-109SH-3,180(2)-3,CL-16AR90TI	1.75	0.51	30
G06	MVP-109SH-3,180(2)-3,CL-16AR90TI-G1<1	1.75	0.45	27
G07	MVP-109SH-3,180(2)-3,CL-16AR90SP	1.65	0.51	32
G08	MVP-109SH-3,180(2)-3,CL-16AR90SP-G1<1	1.65	0.45	29
G09	MVP-109SH-3,180(2)-3,CL-3,180(5)-7AR90SP	1.38	0.44	34
G10	MVP-109SH-3,272(2)-3,CL-16AR90SP	1.62	0.32	22

**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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