

## WINDOWS & DOORS LISTING PROGRAM

**Customer:** Permanent Windows Solutions Inc.  
**Class:** Fenestration Products – Energy Performance  
**Location:** Edmonton, Alberta  
**Website:** [www.permasol.ca](http://www.permasol.ca)

**Listing No.** W589-1  
**Project No.** W589-1 ED1  
**Effective Date:** April 17, 2023  
**Last Revised Date:** April 17, 2023  
**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: W589
- 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:

#### Brilliant Series Picture Window

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	PERM-BRPC-4,SB60(2)-4,CL-4,SB60(5)-14AR90EE-R1	0.86	0.28	37
G02	PERM-BRPC-4,SB60(2)-4,CL-4,SB60(5)-10AR90EE-R1	0.97	0.28	35
G03	PERM-BRPC-4,SB60(2)-4,CL-4,SB60(5)-16AR90EE-R1	0.87	0.28	37
G04	PERM-BRPC-4,SB60(2)-4,CL-16AR90EE-R1	1.50	0.32	25

### **Brilliant Series Tilt & Turn Window**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	PERM-BRTT-4,SB60(2)-4,CL-4,SB60(5)-14AR90EE-R1	0.99	0.23	31
G02	PERM-BRTT-4,SB60(2)-4,CL-4,SB60(5)-10AR90EE-R1	1.08	0.23	29
G03	PERM-BRTT-4,SB60(2)-4,CL-4,SB60(5)-16AR90EE-R1	0.99	0.23	31
G04	PERM-BRTT-4,SB60(2)-4,CL-16AR90EE-R1	1.52	0.27	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.
- 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 warranty 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.
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