

## WINDOWS & DOORS LISTING PROGRAM

**Customer:** Alton Windows and Doors Ltd.  
**Class:** Fenestration Products – Energy Performance  
**Location:** North York, Ontario  
**Website:** [www.altonwindows.ca](http://www.altonwindows.ca)

**Listing No.** W581-1  
**Project No.** W581-1 ED1  
**Effective Date:** March 9, 2020  
**Last Revised Date:** March 9, 2020  
**Expires:** N/A

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

**Product:** PVC 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: W581
- 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:

#### 2100 Series Casement Window

Model Code	U-Value (W/m²K)	Energy Rating
ALT-2100CA-3,8070(2)-3,IS20(4)-16AR95CU	1.39	35
ALT-2100CA-3,8070(2)-3,IS20(4)-16AR95CU-G1<1	1.41	32
ALT-2100CA-3,8070(2)-3,IS20(4)-19AR95CU	1.41	34
ALT-2100CA-3,8070(2)-3,IS20(4)-19AR95CU-G1<1	1.42	32
ALT-2100CA-3,8070(2)-3,8070(3)-19AR95CU	1.55	31

Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
ALT-2100CA-3,8070(2)-3,8070(3)-19AR95CU-G1<1	1.55	29
ALT-2100CA-3,8070(2)-3,CL-3,8070(6)-8AR95CU	1.24	35
ALT-2100CA-3,8070(2)-3,CL-3,8070(5)-8AR95CU	1.23	35
ALT-2100CA-3,8070(2)-3,CL-3,IS20(6)-8AR95CU	1.28	35

#### **4000 Series Awning Window**

Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
ALT-4000AW-3,8070(2)-3,IS20(4)-16AR95CU	1.43	34
ALT-4000AW-3,8070(2)-3,IS20(4)-16AR95CU-G1<1	1.42	32
ALT-4000AW-3,8070(2)-3,IS20(4)-19AR95CU	1.44	34
ALT-4000AW-3,8070(2)-3,IS20(4)-19AR95CU-G1<1	1.43	32
ALT-4000AW-3,8070(2)-3,8070(3)-19AR95CU	1.57	31
ALT-4000AW-3,8070(2)-3,8070(3)-19AR95CU-G1<1	1.56	29
ALT-4000AW-3,8070(2)-3,CL-3,8070(6)-8AR95CU	1.27	35
ALT-4000AW-3,8070(2)-3,CL-3,8070(5)-8AR95CU	1.24	36
ALT-4000AW-3,8070(2)-3,CL-3,IS20(6)-8AR95CU	1.31	34

#### **4000 Series High Profile Fixed Window**

Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
ALT-4000HFX-3,8070(2)-3,IS20(4)-16AR95CU	1.38	39
ALT-4000HFX-3,8070(2)-3,IS20(4)-16AR95CU-G1<1	1.41	36
ALT-4000HFX-3,8070(2)-3,IS20(4)-19AR95CU	1.41	38
ALT-4000HFX-3,8070(2)-3,IS20(4)-19AR95CU-G1<1	1.43	35
ALT-4000HFX-3,8070(2)-3,8070(3)-19AR95CU	1.58	35
ALT-4000HFX-3,8070(2)-3,8070(3)-19AR95CU-G1<1	1.58	32
ALT-4000HFX-3,8070(2)-3,CL-3,8070(6)-8AR95CU	1.22	39
ALT-4000HFX-3,8070(2)-3,CL-3,8070(5)-8AR95CU	1.20	40
ALT-4000HFX-3,8070(2)-3,CL-3,IS20(6)-8AR95CU	1.26	39

**4100 Series Single Hung (Tilt) Window**

Model Code	U-Value (W/m <sup>2</sup> K)	Energy Rating
ALT-4100SHT-3,8071(2)-3,CL-17AR95FW	1.78	30
ALT-4100SHT-3,8071(2)-3,CL-17AR95FW-G1<1	1.78	27
ALT-4100SHT-3,8071(2)-3,IS20(4)-17AR95FW	1.53	35
ALT-4100SHT-3,8071(2)-3,IS20(4)-17AR95FW-G1<1	1.53	32
ALT-4100SHT-3,8071(2)-3,CL-3,8071(5)-6AR95SS	1.41	35
ALT-4100SHT-3,8071(2)-3,CL-3,IS20(6)-6AR95SS	1.43	34

**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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