# BUILDING PRODUCTS LISTING PROGRAM

**Customer:** Cool Master Refrigeration Inc.
**Class:** Walk-In Cooler and Freezer Door Assemblies
**Location:** Tottenham, Ontario Canada
**Website:** https://www.coolmaster.ca

**Listing No.** B1158-2
**Project No.** B1158-1, Edition 4
**Effective Date:** October 16, 2026
**Last Revised Date:** October 16, 2026
**Expires:** N/A

**Standards:**

| | |
|---|---|
| ASTM C518-21 | *"Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus".* |
| NFRC 102-2020 | *"Procedure for Measuring the Steady-State Thermal Transmittance of Fenestration Systems".* |

**Products:** Cool Master Door Assemblies for walk-in coolers and freezers of the following types:

- Cool Master Single Swing Panel Door

**Markings:** Each door is marked with a permanent label containing the following information:

a) Manufacturer's name or trademark
b) Product type
c) Application type
d) Production date
e) QAI file number: B1158-2
f) QAI logo with 'c' identifier

**Models/Rating:** Cool Master Walk-In Cooler and Freezer Door Assemblies listed below have the following thermal resistivity and daily energy consumption required for compliance with National Resources Canada (NRCan) Energy Efficiency Regulation requirements when evaluated per ASTM C518 and NFRC 102-2020 for applications noted.

Table 1 – Results for Single Swing Panel Door Assembly – Cooler Application

| Frame Type | Overall Thickness | Assembly Size | Door Size | Thermal Resistivity | Daily Energy Consumption |
|---|---|---|---|---|---|
| Camlock Panel | 102 mm (4-in) | 1.20 m x 2.24 m (47-1/4-in x 88-in) | 0.87 m x 1.98 m (34-in x 78-in) | 5.08 K·m$^2$/W (28.8 ft$^2$·°F·h/Btu) | 1.20 kWh/day (4.08 kBTU/day) |
| | | 1.25 m x 2.24 m (49-1/4-in x 88-in) | 0.91 m x 1.98 m (36-in x 78-in) | 5.08 K·m$^2$/W (28.8 ft$^2$·°F·h/Btu) | 1.20 kWh/day (4.10 kBTU/day) |

Table 2 – Results for Single Swing Panel Door Assembly – Freezer Application

| Frame Type | Overall Thickness | Frame Config. | Assembly Size | Door Size | Thermal Resistivity | Daily Energy Consumption |
|---|---|---|---|---|---|---|
| Camlock Panel | 102 mm (4-in) | Three Sided | 1.20 m x 2.24 m (47-1/4-in x 88-in) | 0.87 m x 1.98 m (34-in x 78-in) | 5.71 K·m$^2$/W (32.4 ft$^2$·°F·h/Btu) | 7.54 kWh/day (25.7 kBTU/day) |
| | | | 1.25 m x 2.24 m (49-1/4-in x 88-in) | 0.91 m x 1.98 m (36-in x 78-in) | 5.71 K·m$^2$/W (32.4 ft$^2$·°F·h/Btu) | 7.50 kWh/day (25.6 kBTU/day) |
| | | Four Sided | 1.20 m x 2.24 m (47-1/4-in x 88-in) | 0.87 m x 1.98 m (34-in x 78-in) | 5.71 K·m$^2$/W (32.4 ft$^2$·°F·h/Btu) | 7.80 kWh/day (26.6 kBTU/day) |
| | | | 1.25 m x 2.24 m (49-1/4-in x 88-in) | 0.91 m x 1.98 m (36-in x 78-in) | 5.71 K·m$^2$/W (32.4 ft$^2$·°F·h/Btu) | 7.70 kWh/day (26.3 kBTU/day) |

Notes:

Evaluation was conducted in accordance with 10 CFR-2017, Part 431, Subpart R, Appendix A and Appendix B

Products must be installed with the manufacturer's published installation instructions and in accordance with the building codes recognized by the authority having jurisdiction.

Listed manufacturers are subject to on-going inspections by QAI to ensure that the products outlined above remains as it is listed.

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. Visit the QAI Online Listing Directory located at 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. Please include the listing number in the request.

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