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CERTIFICATION TESTING INSPECTION

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BUILDING PRODUCTS LISTING PROGRAM

Customer: PowerWool Insulation Inc.
Class: Thermal Insulation
Location: Surrey, BC Canada
Website: http://powerwoolinsulation.com

Listing No. B1124-1
Project No. B1124-1, Edition 4
Effective Date: July 5, 2021
Last Revised Date: June 5, 2026
Expires: N/A

Standards:

CAN/ULC S702.1:2021	*Standard for Mineral Fibre Thermal Insulation For Buildings, Part 1: Material Specification*.
CAN/ULC S102-18	*Standard Method of Test for Surface Burning Characteristics of Buildings Materials and Assemblies*.
CAN/ULC S114-18	*Standard Method of Test for Determination of Non-Combustibility in Building Materials*.
ASTM C1338-19	*Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings*.
ASTM C612-14(R2019)	*Standard Specification for Mineral Fiber Block and Board Insulation*.
ASTM E84-21	*Standard Test Method for Surface Burning Characteristics of Building Materials*.
ASTM E136-19	*Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C*.

Product: PowerWool Mineral Fiber Board Insulation in the following densities:

- 56 kg/m^3 (3.5 lbs/ft^3)
- 64 kg/m^3 (4.0 lbs/ft^3)
- 72 kg/m^3 (4.5 lbs/ft^3)
- 88 kg/m^3 (5.5 lbs/ft^3)
- 100 kg/m^3 (6.25 lbs/ft^3)
- 128 kg/m^3 (8.0 lbs/ft^3)
- 140 kg/m^3 (8.75 lbs/ft^3)
- 160 kg/m^3 (10 lbs/ft^3)
- 176 kg/m^3 (11 lbs/ft^3)
- 200 kg/m^3 (12.5 lbs/ft^3)
- 220 kg/m^3 (14 lbs/ft^3)

Products are available at minimum 25 mm (1-inch thickness) in 13 mm (1/2-inch increment sizes).

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Markings: Product is marked with labels supplied by PowerWool Insulation Inc. The label includes:

a) Manufacturer's name.
b) Product name.
c) CAN/ULC S702.1 Type 1 / ASTM C612 Type IVA / IVB (as appropriate).
d) CAN/ULC S114 / ASTM E136 Non-Combustible.
e) FSI = 0 / SDI = 0 per CAN/ULC S102 and ASTM E84
f) Thermal Resistance for product.
g) Traceability code.
h) QAI logo shown here:

Labels are applied to palletized finished products to ensure visibility on the jobsite.

Ratings: **The following outlines PowerWool Insulation mineral fiber board thermal Insulation performance determined in accordance with the noted standards.**

PowerWool 56 kg/m^3 - 220 kg/m^3 density products comply for use as Type 1 Preformed insulation in the form of mineral fiber boards without a facer, classified in accordance with CAN/ULC S702.1.

PowerWool 3.5 lbs/ft^3 – 11 lbs/ft^3 density products comply for use as Type IVA / IVB (as appropriate) Preformed insulation in the form of mineral fiber boards without a facer, classified in accordance with ASTM C612 as seen in the table below.

DENSITY	TYPE ASTM C612
3.5 lbs/ft^3 (56 kg/m^3)	Type IVA
4.0 lbs/ft^3 (64 kg/m^3)	Type IVA
4.5 lbs/ft^3 (72 kg/m^3)	Type IVA / IVB
5.3 lbs/ft^3 (85 kg/m^3)	Type IVA / IVB
6.2 lbs/ft^3 (100 kg/m^3)	Type IVA / IVB
8.0 lbs/ft^3 (128 kg/m^3)	Type IVA / IVB
8.7 lbs/ft^3 (140 kg/m^3)	Type IVA / IVB
10 lbs/ft^3 (160 kg/m^3)	Type IVA / IVB
11 lbs/ft^3 (176 kg/m^3)	Type IVA / IVB

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PowerWool Type 1 mineral fiber board thermal insulation surface burning characteristics determined in accordance with CAN/ULC S102:

PRODUCT	DENSITY RANGE	MAXIMUM THICKNESS	FLAME SPREAD INDEX (FSI)	SMOKE DEVELOPED INDEX (SDI)
PowerWool	56 - 220 kg/m^3	203 mm	0	0

PowerWool Type 1 mineral fibre board thermal insulation products classified as non-combustible per CAN/ULC S114:

PRODUCT	DENSITY	CLASSIFICATION
PowerWool	56 - 220 kg/m^3	Non-Combustible

PowerWool Type IVA / IVB (as appropriate) mineral fiber board thermal insulation surface burning characteristics determined in accordance with ASTM E84:

PRODUCT	DENSITY RANGE	MAXIMUM THICKNESS	FLAME SPREAD INDEX (FSI)	SMOKE DEVELOPED INDEX (SDI)
PowerWool	3.5 -11 lbs/ft^3	8 inches	0	0

PowerWool Type IVA / IVB (as appropriate) mineral fiber board thermal insulation products classified as non-combustible per ASTM E136:

PRODUCT	DENSITY	CLASSIFICATION
PowerWool	3.5 – 11 lbs/ft^3	Non-Combustible

PowerWool Type 1 mineral fiber boards of 56 - 220 kg/m^3 (3.5 – 13.7 lbs/ft^3) density do not support fungi growth when evaluated to ASTM C1338.

Notes: Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction.

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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