

BUILDING PRODUCTS LISTING PROGRAM

Customer: Amvic Incorporated
Class: Thermal Insulation – Foam Plastic
Location: 501 McNicoll Avenue, Toronto, Ontario, M2H 2E2 Canada

Website: <http://www.amvicsystem.com>

Listing No. B1061-3
Project B1061-3
No.
Effective December 15, 2020
Date:
Last December 15, 2020
Revised
Expiration: N/A

Standards: CAN/ULC S701.1 *Thermal Insulation, Polystyrene, Boards and Pipe Covering.*
CAN/ULC S102.2 *Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies.*
ASTM C578 *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.*
UL 723 *Standard for Test for Surface Burning Characteristics of Building Materials.*

Product: Amvic SilveRboard Expanded Polystyrene (EPS) Thermal Insulation in the Following Types:

- SilveRboard XS 0.7
- SilveRboard Type 1, Type 2, Type 3 (Type I, II, IX)

Markings: Products are marked in a permanent manner on the backside of each panel with the following:

- a) Company Name: Amvic Inc.
- b) CAN/ULC S701.1 / ASTM C578 Type as appropriate
- c) CAN/ULC S102.2 Flame Spread Smoke Developed Index (FSI \leq 250 / SDI \geq 500)
- d) ASTM E84 Flame Spread Smoke Developed Index (FSI \leq 25 / SDI \leq 450)
- e) Traceability code including date of manufacture.
- f) QAI Mark as shown below:



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



Ratings:

AMVIC SILVERBOARD EPS THERMAL INSULATION TYPES PER CAN/ULC S701.1			
PROPERTY	TYPE 1	TYPE 2	TYPE 3
Thermal Resistance Minimum at 25 mm Thickness (m ² *°C/W)	0.65	0.70	0.74
Water Vapour Permeance Maximum at 25 mm Thickness (Ng/Pa*s*m ²)	300	200	130
Dimensional Stability Maximum Linear Change (%)	1.5	1.5	1.5
Flexural Strength Minimum (kPa)	170	240	300
Water Absorption By Volume Maximum (%)	6.0	4.0	2.0
Compressive Strength Minimum at 10% Deformation (kPa)	70	110	140
Limiting Oxygen Index Minimum (%)	24	24	24

AMVIC SILVERBOARD EPS THERMAL INSULATION TYPES PER ASTM C578					
PROPERTY	TYPE XI XS 0.7	TYPE I	TYPE VIII	TYPE II	TYPE IX
Compressive Strength, Minimum @ 10% Deformation (psi)	5.0	10.0	13.0	15.0	25.0
Thermal Resistance, Minimum @ 1 inch Thick (F*ft ² *h/Btu)	See Table Below	3.6	3.8	4.0	4.2
Flexural Strength, Minimum (psi)	10	25.0	30.0	35.0	50.0
Water Vapor Permeance, @ 1 inch Thickness, Maximum (Perms)	5.0	5.0	3.5	3.5	2.5
Water Absorption By Volume, Maximum (%)	4.0	4.0	3.0	3.0	2.0
Dimensional Stability Linear Change, Maximum (%)	2.0	2.0	2.0	2.0	2.0
Oxygen Index, Minimum (%)	24.0	24.0	24.0	24.0	24.0
Density, Minimum (lbs/ft ³)	0.70	0.90	1.15	1.35	1.80

AMVIC SILVERBOARD XS 0.7 EPS THERMAL INSULATION PHYSICAL PROPERTIES		
PROPERTIES	(m ² *°C/W)	(F*ft ² *h/Btu)
Thermal Resistance @ at 25 mm Thickness (m ² *°C/W), Minimum	0.78	4.4



AMVIC SILVERBOARD EPS THERMAL INSULATION TYPES SURFACE BURNING CHARACTERISTICS PER CAN/ULC S102.2				
SILVERBOARD INSULATION	DENSITY	MAXIMUM THICKNESS	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
Type 1, Type 2, Type 3	Maximum 32 kg/m ³	≤ 100 mm	≤ 250	≥ 500

AMVIC SILVERBOARD EPS THERMAL INSULATION TYPES SURFACE BURNING CHARACTERISTICS PER ASTM E84 ¹				
AMVIC INSULATION	DENSITY	MAXIMUM THICKNESS	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
Type I, Type VIII, Type II, Type IX	Maximum 2.0 lbs/ft ³	≤ 4 inches	≤ 25	≤ 450

Note 1: Ceiling measurement only. This measurement is conducted through determination of flame spread index and smoke developed index with the removal of any contribution of molten materials ignited on the floor of the tunnel assembly.

Note: The product must be installed in accordance with the code enforced by the authority having jurisdiction. Final acceptance of the product in the final installation is subject to inspection 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.

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Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
