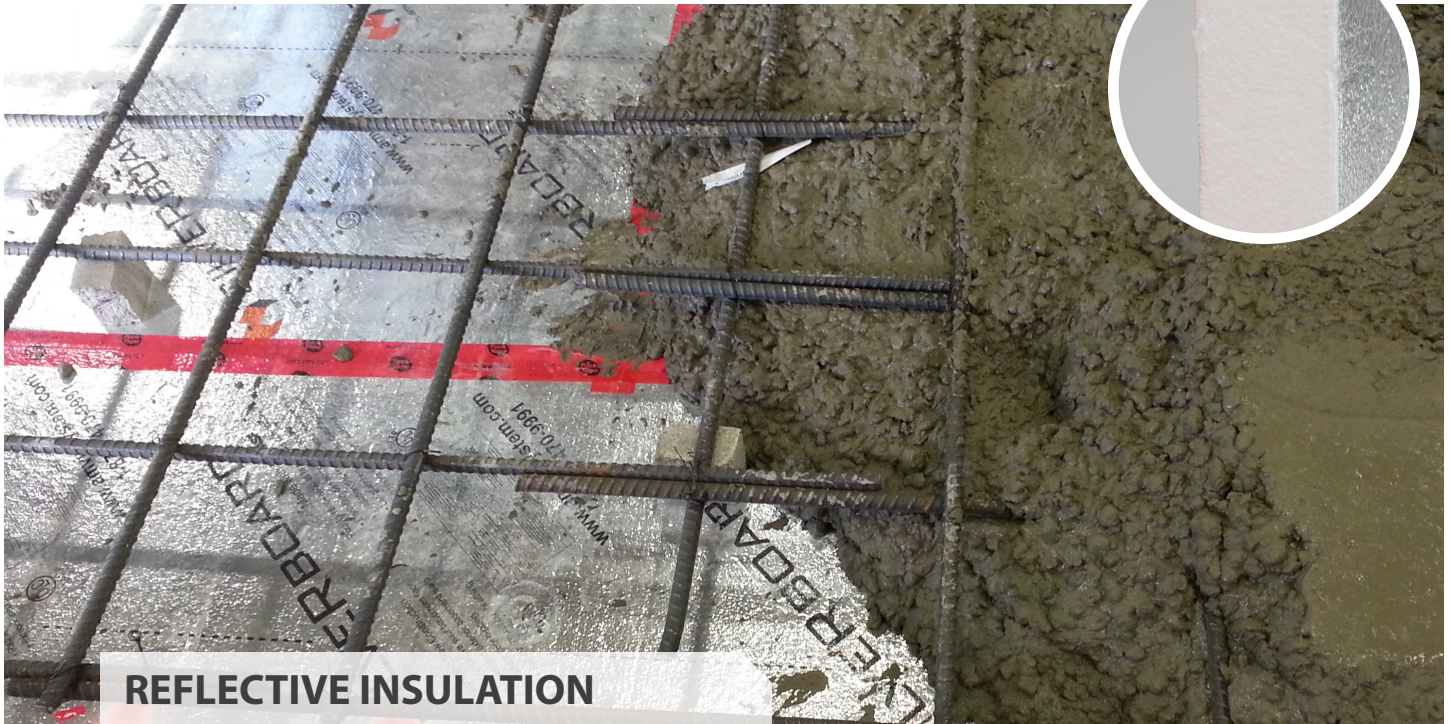


Non-Perforated SilveRboard



REFLECTIVE INSULATION

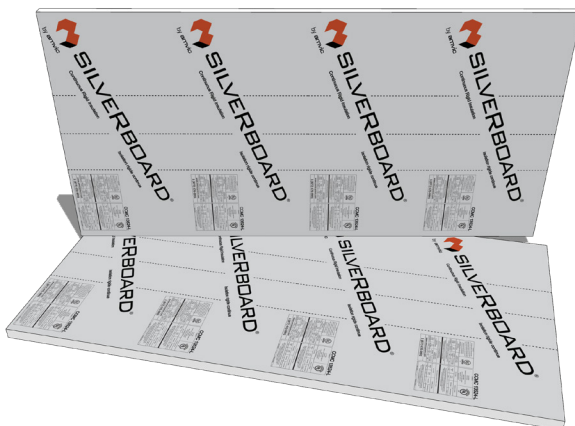
SilveRboard (SB) is a non-structural, rigid insulation board made from closed cell Expanded Polystyrene (EPS) with a layer of reflective metalized polypropylene film laminated on each side.

Designed to be installed as continuous insulation, reduce thermal bridging and directly improve building envelope performance.

The double-sided lamination dramatically increases board strength and flexibility, reducing site damage and waste.

Amvic Advantage

- Exceptional Long-Term Thermal Resistance (LTTR).
- Increased thermal resistance in lower temperatures.
- Functions as a vapor barrier when sealed and taped with an approved vapor barrier tape.
- Does not promote growth of mold and mildew.
- No off-gassing and does not contain HFCs, CFCs or HCFCs.
- Each panel is easy to handle due to the low weight and can be easily cut.
- The availability of larger panels and laminated film help improve job site efficiency and reduce labor costs.



Availability

SilveRboard is available in a wide range of thicknesses ranging from 1/2" (13mm) to 6" (152mm). Standard board dimensions include 4x8', 4x9' and 4x10' (1.2x2.4m, 1.2x2.7m and 1.2x3.0m) with square edges.

Applications

- Under concrete slab
- Exterior of foundation walls
- Component of radiant floor heating system
- Frost walls
- Component of wood framed cathedral ceiling
- Component of snow melt and de-icing systems

The maximum continuous operating temperature for SilveRboard is 158°F (70°C). The ultra violet (UV) stable polypropylene film allows exposure for up to 180 days (6 months) once the boards are installed. The film is compatible with virtually any approved sheathing tape as long as the surface is clean and dry before installation.

Warranty

Amvic supports building owners, designers and contractors by offering a 20-year, limited thermal warranty on SilveRboard product line. This warranty is available to the building owner at the time the building is completed and is transferable to any subsequent owner during the 20-year period.

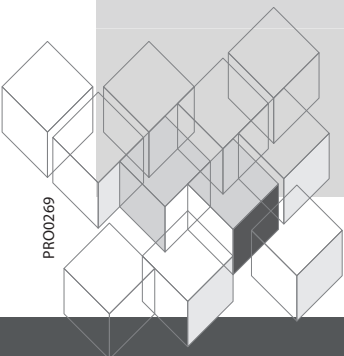
Physical Properties Table

	Standard	Units	SB12	SB20 (HD)	SB25 (HD)	SB35 (HD)	SB40 (HD)
Specification for Rigid Polystyrene Insulation	CAN/ULC-S701		Type 1	Type 2	Type 3	Type 3	Type 3
	ASTM C578		Type I	Type II	Type IX	Type IX	Type XIV
Thermal Resistance	ASTM C518	F.ft ² .hr/Btu	4.1	4.3	4.35	5.0	5.0
	@ 75°F (24°C)	(m ² K/W)	(0.72)	(0.76)	(0.77)	(0.88)	(0.88)
Compressive Strength	ASTM D1621	psi	12	20	25	35	40
	@ 10% Strain	(kPa)	(83)	(138)	(172)	(241)	(276)
Water Absorption	ASTM D2842	%	0.85	0.68	0.50	0.43	0.07
Water Vapor Permeance (Max.)	ASTM E96	US perm	0.21	0.15	0.10	0.08	0.03
		(ng/Pa.s.m ²)	(12)	(8.6)	(5.7)	(4.3)	(1.6)
Flexural Strength	ASTM C203	psi	40	60	76	84	106
		(kPa)	(275)	(414)	(524)	(579)	(730)
Dimensional Stability (Max.)	ASTM D2126	%	1.5	1.5	1.5	1.5	1.5
Limiting Oxygen Index	ASTM D2863	%	>24	>24	>24	>24	>24
Density	ASTM D1622	lb/ft ³	1.00	1.35	1.86	2.00	2.50
		(kg/m ³)	(16)	(22)	(30)	(32)	(40)
Surface Burning Characteristics	ASTM E84 ¹						
	Flame Spread Index (FSI)		15#	15#	0#	0#	
	Smoke Developed Index (SDI)		150 - 300#	150 - 300#	30#	30#	
	CAN/ULC-S102 ²						
	Flame Spread Index (FSI)		225	240 - 175	220 - 135	220 - 135	210 ³
	Smoke Developed Index (SDI)		475	290-(>500)	265-(>500)	265-(>500)	>500 ³

¹ For thicknesses ranging from 1/2" to 4" and higher

² For thicknesses ranging from 25mm to 100mm

³ For thicknesses ranging from 25mm to 75mm



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