



**SOUNDBLOX® SOUND  
ABSORBING MASONRY UNITS**

Soundblox® masonry units are an excellent choice for industrial settings, gymnasiums, mechanical equipment rooms and comparable installations. Soundblox derive their sound absorption from a simple cavity-slot resonator construction. The cavities are closed at the top and the slots, open to the sound source, allow the cavities to function as damped (Helmholtz) resonators – an excellent sound absorption

- Soundblox® type A-1
- Soundblox® type RSC
- Soundblox® type RSC/RF

Note: Available in various size and two densities.

**VALIDATED ECO-DECLARATION**

PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
<p><b>References</b></p> <p>Soundblox® type A-1 Soundblox® type RSC Soundblox® type RSC/RF</p> <p>Note: Available in various size and two densities</p> <p><b>Final manufacturing location</b></p> <p>Milton, Ontario L9T 2X7 CANADA</p> <p><b>Composition</b></p> <p>Aggregates, sand, cement, water, slag cement, acoustic insulation and admixture.</p>	<p><b>Life Cycle Assessment</b> June 2019</p> <p><b>Reference service life</b> -</p> <p><b>Product's carbon footprint</b> -</p> <p><b>Environmental Product Declaration</b></p> <p>Specific, Type III August 2019 ISO 14025:2006 August 2024</p>	<p><b>Performance test</b> CSA A165.1</p> <p><b>Expected life</b> -</p>
<p><b>ATTRIBUTES</b></p> <p><b>Recycled Content</b></p> <p>Pre-consumer: 1.6% Post-consumer: 0% (For regular Soundblox® masonry unit)</p> <p>Pre-consumer: 68.1% Post-consumer: 0% (For lightweight Soundblox® masonry unit)</p> <p><b>Sourcing of raw materials</b></p> <p>Data collection from suppliers has been conducted for 100% of product's components.</p> <p><b>Certified Wood</b> -</p> <p><b>Rapidly renewable materials</b> -</p> <p><b>Biobased materials</b> -</p>	<p><b>INGREDIENTS AND EMISSIONS</b></p> <p><b>Declaration of chemical ingredients</b> 1,000 ppm</p> <p><b>Type of declaration</b> Health Product Declaration® HPD® version 2.1.1</p> <p><b>Emission test</b> See Page 2</p> <p><b>VOCs</b> -</p> <p><b>Formaldehyde</b> -</p> <p><b>Others</b> -</p>	<p><b>MANUFACTURER'S ENVIRONMENTAL MANAGEMENT</b></p> <p><b>ISO 14001 Certification</b> -</p> <p><b>Extended Product Responsibility</b> - (Take Back Program)</p> <p><b>Corporate Sustainability Report</b> - (CSR: GRI, ISO 26000, BNQ 21000 or others)</p>
		<p><b>CERTIFICATION(S) &amp; CONFORMITIES</b></p>

As a leader in concrete products in Canada, Permacon supports you in all your new construction or renovation projects. Permacon's pavers, sleeper walls, patio block, exterior steps, concrete curbs, stones and bricks are the solution to all your landscaping design ideas and exterior masonry projects.

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<http://permacon.ca>

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# ENVIRONMENTAL DATA SHEET

## SOUNDBLOX® SOUND ABSORBING MASONRY UNITS

### PRODUCT CONTRIBUTION SUMMARY

#### LEED® v4 requirements for Building Design + Construction (BD+C)

New Construction, Core and Shell, Schools, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

#### LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR	<b>Building Product Disclosure and Optimization – Environmental Product Declaration (EPD)</b> <b>Option 1: Environmental Product Declaration (1 point)</b> The Soundblox® masonry unit (Type RSC/RF) manufactured in Milton, Ontario Canada contributes to this credit due to the availability of a product-specific EPD (Type III) and is valued as 1 whole product out of 20 needed for the purposes of credit achievement calculation.	Contribute	<b>ENVIRONMENTAL IMPACTS</b> Product-specific EPD (Type III) compliant to ISO 14025:2006
MR	<b>Building Product Disclosure and Optimization – Material Ingredients</b> <b>Option 1: Material ingredients reporting (1 point)</b> The Soundblox® masonry unit contributes to this credit due to the availability of a Health Product Declaration® and is valued as 1 whole product out of 20 needed for the purposes of credit achievement calculation.	Contribute	<b>INGREDIENTS AND EMISSIONS</b> HPD® version 2.1.1 Health Product Declaration®
MR	<b>Building Product Disclosure and Optimization – Sourcing of Raw Materials</b> <b>Option 2: Leadership extraction practices (1 point)</b> May also contribute to the location valuation factor if the product is sourced (extracted, manufactured, purchased) within 160 km of the project site.	Contribute	<b>ATTRIBUTES</b> Recycled Content Pre-consumer: 1.6% Post-consumer: 0% (For regular Soundblox® masonry unit) Pre-consumer: 68.1% Post-consumer: 0% (For lightweight Soundblox® masonry unit)
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
IEQ	<b>Low-Emitting Materials</b> <b>Option 1: Product category calculation (1 – 3 points)</b> The number of points is dependent on the LEED® rating system and the number of compliant categories.	-	<b>INGREDIENTS AND EMISSIONS</b> The Soundblox® masonry unit is considered an inherently nonemitting source (except for type RSC, RSC/RF)
IEQ	<b>Acoustic performance</b> <b>Option 1: Product category calculation (1 point)</b> Number of points is dependent on the LEED® rating system and the number of compliant categories.	Contribute	<b>ATTRIBUTES</b> The Soundblox® masonry unit has a built-in acoustic resonator. Sound absorption coefficients are available in the product specification sheet.

It is important to consider that the total amount of possible points reflects the number of achievable points in each credit category. The product itself cannot achieve this score, as defined above, but is considered as a beneficial element in order to achieve LEED® credits.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and its integrity. Vertima follows a rigorous protocol, including an on-site audit of the factory, an audit of the manufacturer's supply chain documentation, and the analysis and validation of all supporting documents. However, Vertima cannot be held responsible for false or misleading information that may cause any loss or damage suffered, caused in all or in part, by errors and omissions relative to the collection, compilation and/or interpretation of data.

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