



STEEL ROOFING AND SIDING

Mac Metal Architectural Inc. offers steel siding and roofing products in various profiles and finishes that will embellish your home. Every effort is made to offer products that perfectly meet architectural standards and trends. Our goal is to turn your new project into the dream place you've always envisioned with long lasting products that are eco-friendly and fully recyclable at the end of their life cycle.

VALIDATED ECO-DECLARATION

PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
References Steel roofing and siding	Life Cycle Assessment May 2024	Performance tests <ul style="list-style-type: none"> - ASTM E84 Class 1, ASTM D5206, ASTM E283, ASTM E330 - CAN/ULC-S135 - WUI listing 8140-2358-0500 For more details, see product data sheet.
Final manufacturing location Saint-Hubert, QC, J3Y 0X1 CANADA	Reference service life 40 years	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
Composition Galvanized steel and paint (PVDF print, PVDF solid, PUR Metallic, PUR textured or SMP).	Product's carbon footprint -	
	Environmental Product Declaration Product-specific EPD, Type III ISO 14025:2006 May 2024 to May 2029	
ATTRIBUTES	INGREDIENTS AND EMISSIONS	
Recycled content Pre-consumer: 0.0% - 21.2% Post-consumer: 0.0% - 32.8%	Declaration of chemical ingredients 1000 ppm	ISO 14001 Certification -
Sourcing of raw materials Data collection from suppliers has been conducted for the products components aligned with each specific environmental analysis.	Type of declaration HPD® version 2.3 Health Product Declaration® May 2024 to May 2027	Extended Product Responsibility - (Take Back Program)
Certified Wood -	Emissions test -	Corporate Sustainability Report - (CSR: GRI, ISO 26000, BNQ 21000 or others)
Rapidly renewable materials -	VOC -	CERTIFICATION(S) & CONFORMITIES
Biobased materials -	Formaldehyde -	
	Others Pure Genius technologie	

MAC was originally founded in 1996, initially specializing in manufacturing of steel roofing before expanding its product offering to include steel siding. MAC has set itself apart through innovative processes, product designs and finishes which include printed colors that reproduce the look of noble materials such as wood, zinc, quartz and bronze.

5975, chemin de la Savane, Saint-Hubert, QC, J3Y 0X1 CANADA
<https://macmetalarchitectural.com/en/>

Master Format : 07 41 13 / 07 42 13
Validated Eco-Declaration : VED24-1114-01
Original issue date : 2024/06
Period of validity : 2024/06 to 2025/06
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ENVIRONMENTAL DATA SHEET

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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	Building Product Disclosure and Optimization – Environmental Product Declaration (EPD) Option 1: Environmental Product Declaration (1 point) The product contributes to this credit due to the availability of a product specific EPD (Type III) and are valued as 1 whole product out of the 20 needed for the purposes of credit achievement.	Contribute	ENVIRONMENTAL IMPACTS Product-specific Type III EPD compliant to ISO 14025:2006
MR	Building Product Disclosure and Optimization – Sourcing of Raw Materials Option 2: Leadership extraction practices (1 point) Product meets at least one of the responsible extraction criteria: recycled content, wood product certification, biobased materials, extended producer responsibility.	Contribute	ATTRIBUTES Recycled content Pre-consumer: 0.0% - 21.2% Post-consumer: 0.0% - 32.8%
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point) The product contributes to this credit due to the availability of a Health Product Declaration® and is valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	INGREDIENTS AND EMISSIONS HPD® version 2.3 Health Product Declaration®
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	Low-Emitting Materials Option 1: Product category calculation (1-3 points) Number of points is dependent on the LEED® rating system and the number of compliant categories. The building exterior is defined as everything outside and inclusive of the primary and secondary weatherproofing system, such as waterproofing membranes and air- and water-resistive barrier materials. Healthcare and Schools Projects only : Exterior applied products. Adhesives, sealants, coatings, roofing, and waterproofing materials applied on site must meet the VOC limits of California Air Resources Board (CARB) 2007 Suggested Control Measure (SCM) for Architectural Coatings, and South Coast Air Quality Management District (SCAQMD), Rule 1168, effective July 1, 2005.	Does Not contribute	INGREDIENTS AND EMISSIONS If the product is used on the exterior of the building, this credit does not apply. If used in Healthcare, Schools or inside, the product does not contribute since it has not been tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method (CDPH) v1.2-2017.
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
SS	Heat Island Reduction Option 1: Nonroof and roof (1-2 points) Use roofing materials that have an solar reflective index (SRI) equal to or greater than 82 for low-sloped roof (slope ≤ 2:12) or 39 for steep-sloped roof (slope > 2:12).	Contribute	TECHNICAL PERFORMANCES Depending on the color selected, the solar reflective index can be as high as 60.

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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