





MONOLITHIC GLASS

Monolithic glass is a single glass manufactured from the float process. It may be clear or tinted in the mass and available in various thickness from 3 mm to 19 mm.

Various coatings may be applied on its surface to confer energetic or aesthetic properties. It may also be

VALIDATED ECO-DECLARATION

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PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
References Monolithic float glass	Life Cycle Assessment Octobre 2018	Performance tests ASTM C-1036-16 ASTM C-1048-12e1 ANSI Z97.1-2015 CAN/CGSB 12.3 M91 (R2017) CAN/CGSB-12.1-2017
Final manufacturing location Laurier-Station, QC G0S 1N0 CANADA	Reference service life -	
Components Glass, coating.	Product's carbon footprint Octobre 2018	
ATTRIBUTES	Environmental Product Declaration ISO 14025:2006 November 2018 to November 2023	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
	INGREDIENTS AND EMISSIONS	Certification ISO -
Recycled Content Pre-consumer: 0% - 9.0% Post-consumer: 0% - 6.0%	Declaration of chemical ingredients 1,000 ppm	Extended Producer Responsibility (Take Back Program) -
Sourcing of raw materials Data collection from suppliers has been conducted for 100% of product components.	Type of declaration HPD® version 2.1 Health Product Declaration®	Corporate Sustainability Report (CSR : GRI, ISO 26000, BNQ 21000 or others) -
Certified Wood -	Emission test -	CERTIFICATIONS AND CONFORMITIES
Rapidly renewable materials -	COV -	 
Biobased materials -	Formaldehyde -	
	Others -	

Founded in 1950, Laurier Architectural is part of the Novatech group. Over the years, the company has developed an expertise in different glass products from value-added sealed units to spandrels, heat treated glass, laminated glass and decorative glass. As a partner of excellence, we help customers and architects to stand out with a unique and innovative image.

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MasterFormat®: **08 80 50**
 Validated Eco-Declaration: **VED18-1018-01**
 Original issue date: **03/2013**
 Period of validity: **11/2020 to 11/2021**



ENVIRONMENTAL DATA SHEET

MONOLITHIC GLASS

PRODUCT CONTRIBUTION SUMMARY

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

New Construction, Core and Shell, School, 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) Monolithic glass contributes to this credit due to the availability of a product-specific EPD (Type III) and is valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	ENVIRONMENTAL IMPACTS Product-specific EPD (Type III) compliant with ISO 14025:2006
			ATTRIBUTES Recycled Content Pre-consumer (0% - 9.0%) Post-consumer (0% - 6.0%) (see page 2)
			INGREDIENTS AND EMISSIONS HPD® version 2.1 Health Product Declaration®
MR	Building Product Disclosure and Optimization – Sourcing of Raw Materials Option 2: Leadership extraction practices (1 point) May also contribute to the location valuation factor if the product is sourced (extracted, manufactured, purchased) within 160 km of the project site.	Contribute	
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point) Monolithic glass contributes to this credit due to the availability of Health Product Declarations® and is valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	Low-Emitting Materials Option 1: Product category calculation (1-3 points) For the product category, walls, thermal and acoustical insulation, 100% of all products must meet the requirements.	-	INGREDIENTS AND EMISSIONS Glass is excluded from the scope of this credit. Moreover, glass is an inherently non-emitting source.
EQ	Daylight Design to maximize daylight (1-3 points) Consider how best to allocate interior space to ensure that daylight is available in all regularly occupied spaces. Enclosure design and furniture selection will affect daylight penetration. Possible design strategies include the following: Use transparent partitions or interior glazing to provide daylight to enclosed spaces. Unlike the BD+C rating system, ID+C rating system includes any permanent interior obstructions as well as moveable furniture and partitions.	Contribute	TECHNICAL PERFORMANCES Within an assembly, monolithic glass may contribute to this credit if design choices are coherent with the credit.
PILOT CREDIT		PRODUCT CONTRIBUTIONS	
PC	Pilot Credit 55 - Bird Collision Deterrence (1 point) Reduce bird injury and mortality from in-flight collisions with buildings.	Contribute	Within an assembly, monolithic glass with bird-safe design may contribute to this pilot credit.

It is important to note that the points identified above are linked with each of the credits where the product contributes as part of a LEED® v4 certification process. The product itself is only one element among others to reach the target score.

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/or omissions relative to the collection, compilation and/or interpretation of data.
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