



LAMINATED GLASS

Laminated glass is a safety glass that will hold together when shattered. It is made of two or more pieces of glass with an interlayer between.

In architecture, it is used for fenestration in height and in applications where glass is used as railing. It can also have acoustic properties.

VALIDATED ECO-DECLARATION

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PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
References Laminated glass	Life Cycle Assessment Octobre 2018	Performance tests ASTM C1172 CAN/CGSB 12.1 2017 CPSC 16 CFR-1201 ANSI Z-97.1-2015
Final manufacturing location Laurier-Station, QC G0S 1N0 CANADA	Reference service life -	
Components Glass, laminated film, coating.	Product's carbon footprint Octobre 2018	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
ATTRIBUTES	Environmental Product Declaration ISO 14025:2006 November 2018 to November 2023	
Recycled Content Pre-consumer: 0% - 8.7% Post-consumer: 0% - 5.8%	INGREDIENTS AND EMISSIONS	Certification ISO -
Sourcing of raw materials Data collection from suppliers has been conducted for the product components aligned with each specific environmental analysis.	Declaration of chemical ingredients 1,000 ppm	Extended Producer Responsibility (Take Back Program) -
Certified Wood -	Type of declaration HPD® version 2.2 Health Product Declaration® Under renewal	Corporate Sustainability Report (CSR : GRI, ISO 26000, BNQ 21000 or others) -
Rapidly renewable materials -	Emission test -	CERTIFICATIONS AND CONFORMITIES
Biobased materials -	COV -	
	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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www.laurier.net

MasterFormat®: **08 80 50**
 Validated Eco-Declaration:
VED18-1018-02
 Original issue date: **03/2013**
 Period of validity: **11/2021 to 11/2022**



ENVIRONMENTAL DATA SHEET

LAMINATED GLASS

LAURIER

Architectural

A Novatech Group Company

Novatech

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) Laminated 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
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	ATTRIBUTES
			Recycled Content Pre-consumer (0% - 8.7%) Post-consumer (0% - 5.8%)
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point) Laminated 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.	Will contribute once the HPD is published	INGREDIENTS AND EMISSIONS
			HPD® version 2.2 Health Product Declaration® Under Renewal
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.	Do not contribute ¹	INGREDIENTS AND EMISSIONS
			¹ Must be tested and determined compliant to the California Department of Public Health (CDPH) Standard Method v1.2-2017.
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, laminated glass may contribute to this credit if design choices are coherent with the credit.
PILOT CREDITS		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, laminated 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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