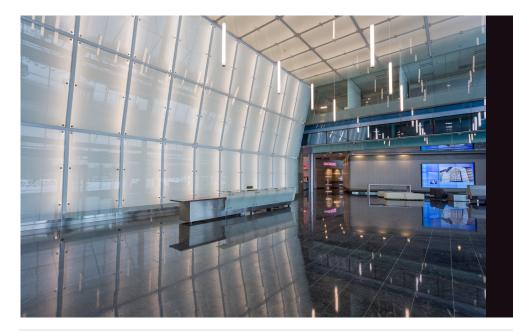


# ENVIRONMENTAL DATA SHEET



# PREL-LAM LAMINATED GLASS

Prel-Lam laminated glass is an assembly of at least two lites of glass bonded with one or more interlayers. This glass is placed in an autoclave and treated under high pressure and intense heat.

Once treated, the layers form a single, perfectly bonded panel of glass.

#### VALIDATED ECO-DECLARATION

#### **PRODUCT SPECIFICATIONS**

#### References

Prel-Lam

#### Final manufacturing location

Rivière-du-Loup, QC G5R 2M9 CANADA

#### Composition

Glass, interlayer and optional ceramic coating.

#### **ATTRIBUTES**

#### Recycled content

Pre-consumer: 0% Post-consumer: 0%

#### Sourcing of raw materials

Data collection from suppliers has been conducted for the products components aligned with each specific environmental analysis.

Certified Wood

Rapidly renewable materials

Biobased materials

#### **ENVIRONMENTAL IMPACTS**

Life Cycle Assessment June 2021

Reference service life

Product's carbon footprint

#### **Environmental Product Declaration**

Product-specific (EPD) Type III ISO 14025:2006

November 2023 to November 2028

#### **INGREDIENTS AND EMISSIONS**

Declaration of chemical ingredients

Type of declaration

Emissions test

VOC -

Formaldehyde -

#### **TECHNICAL PERFORMANCES**

#### Perfomances test

CAN/CGSB-12.1 class 1 and 2 - Tempered or laminated safety glass

ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass

CPSC 16 CFR 1201 class 1 and 2 - Safety Standart for Architectural Glazing Materials.

ANSI Z97.1 - Safety Glazing Materials Used in Buildings

# MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

ISO 14001 Certification

**Extended Product Responsibility** 

(Take Back Program)

Corporate Sustainability Report

(CSR: GRI, ISO 26000, BNQ 21000 or others)

#### **CERTIFICATIONS AND CONFORMITIES**



Prelco is a specialist in the manufacturing of complex and innovative glass solutions enabling us to meet our customers requirements in the architectural, transportation and recreational boating markets. Prelco relies on its expertise of more than 65 years in the business, in the quality of its highly skilled workforce and on its high-tech production equipment.

Others

Master Format: 08 80 50
Validated Eco-Declaration: VED18-1034-02
Original issue date: 2021/06
Period of validity: 2023/06 to 2024/06

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# **ENVIRONMENTAL DATA SHEET**

### PREL-LAM LAMINATED GLASS



# 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 (EPD) Type III Compliant to ISO 14025:2006
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, Prel-Lam Laminated 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, Prel-Lam Laminated Glass with bird-safe design may contribute to this pilot credit.

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.





