



BIRD FRIENDLY GLASS

(AVIPROTEK®, AVIPROTEK® E, AVIPROTEK® T)

AviProtek® products have been developed to reduce the number of bird strikes against buildings where glazing is present. Walker offers three different solutions that meet today's architectural needs.

- AviProtek® - Monolithic bird friendly glass
- AviProtek® E - Low-e coated bird friendly glass
- AviProtek® T - Transparent bird friendly glass

VALIDATED ECO-DECLARATION

PRODUCT SPECIFICATIONS

References

AviProtek® and AviProtek® E
Available patterns: 211, 213, 214, 215, 216, 217, 219, 220, 221 and custom.
AviProtek® T
Available patterns: 701, 713, 714, and custom.

Final manufacturing location

Montreal, QC H1J 1L5 CANADA

Composition

Glass.

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 May 2024

Reference service life -

Product's carbon footprint -

Environmental Product Declaration

Product-specific EPD, Type III
ISO 14025:2006 June 2024
to June 2029

INGREDIENTS AND EMISSIONS

Declaration of chemical ingredients 100 ppm

Type of declaration HPD® version 2.3
Health Product Declaration®
January 2024 to January 2027

Emissions test -

VOC -

Formaldehyde -

Others -

TECHNICAL PERFORMANCES

Performance tests

ASTM C1036-16, ASTM C1376-15,
ASTM C1378, CSA A460-19

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

ISO 14001 Certification -

Extended Product Responsibility (Take Back Program) -

Corporate Sustainability Report (CSR: GRI, ISO 26000, BNQ 21000 or others) -

CERTIFICATION(S) & CONFORMITIES

Walker Glass Company Ltd. is a dynamic market-driven enterprise with over 75 years of experience in the glass and mirror industry in North America. Since 2002, Walker has been a leader in the production of acid-etched glass and mirror; it offers a multitude of product lines that respond to today's demanding market needs. Innovation and creativity are at the heart of its development.

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www.walkerglass.com

Master Format : 08 80 00
Validated Eco-Declaration : VED17-1079-03
Original issue date : 2019/09
Period of validity : 2026/01 to 2027/01
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ENVIRONMENTAL DATA SHEET

BIRD FRIENDLY 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 is valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	ENVIRONMENTAL IMPACTS Product-specific Type III EPD compliant to ISO 14025:2006
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 Health Product Declarations®. They are valued as 1 whole product out of the 20 needed for the purposes of credit achievement.	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. Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.	Contribute	INGREDIENTS AND EMISSIONS Glazing 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, glass may contribute to this credit if design choices are coherent with the credit.
INNOVATION		PRODUCT CONTRIBUTIONS	
IN	Bird Collision Deterrence (1 point) For all exterior lighting, meet uplight and light trespass requirements in the LEED SS credit Light Pollution Reduction. AND Reduce bird injury and mortality from in-flight collisions with buildings. (LEED v4.1 only)	Contribute	Within an assembly, glass with a bird-safe design may contribute to this credit, provided that the design choices are consistent with the credit requirements and that CSA 460-19 is accepted as an equivalent standard.

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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