

Build Green with Channel Glass

Bendheim certified products earn sustainability credits towards Green Certifications

Channel Glass Transparency Documentation contributions, per LEED v4.1

- Third-party verified Environmental Product Declaration (EPD).
- Third-party verified Health Product Declaration (HPD).
- Third-party verified Recycled Content Certification.

Lamberts Channel Glass by Bendheim



*Institute of Contemporary Art, Boston, MA
Architect: Diller Scofidio + Renfro
Photo: Christian Richters*

Product description:

U-shaped glass channels, produced in lengths up to 23 ft (7M) long, used for interior partitions and exterior façade applications. Its U-shape enables it to withstand greater environmental conditions (windloads and temperature changes) than typical float sheet glasses of similar (1/4"+) thickness. Its self-supporting profile allows for maximum glass and minimal framing for endless walls of glass and improved daylighting opportunities. The glass is available in regular and low-iron; low-iron glass is produced with a minimal amount of iron, reducing the greenish tint and improving light transmission. Channel glass is available as standard annealed or safety tempered; annealed glass is glass in its basic form that breaks into jagged pieces, while tempered glass is approximately four times stronger and breaks into small and safe dice-sized pieces.

About Bendheim:

Bendheim is the exclusive distributor of Lamberts channel glass in North America. Channel glass is a specialty architectural glass for interior and exterior wall applications, distinguishable by its linear U-shape. The channel glass planks, standing as tall as 23 feet, contain a high percentage of recycled glass and is produced in Europe's first environmentally sensitive oxygen-fired cast glass furnace. Bendheim is also one of the world's foremost resources for specialty glass and glass systems, offering building and design professionals the finest decorative glass options for commercial and residential building use. Decorative laminated, etched, textured, back-painted, digitally printed, and silvered glass varieties are all primary offerings from the company, available with nearly unlimited customization options.

Product Environmental Performance



Channel glass' contribution to Green Building Certificates.

Material Sustainability Attributes	Category Impact & What it Covers	Channel Glass Contributes to LEED v4.1 & References	Other Certifications (direct and indirect support)
Environmental Product Declaration (EPD)	<i>Environmental Impact</i> An Environmental Product Declaration (EPD) is a standardized document that communicates the environmental impact of a product over its life cycle. It is based on Life Cycle Assessment (LCA) and follows international standards such as ISO 14025 and EN 15804.	<i>Materials and Resources (MR)</i> Channel glass EPD is a Product-specific Type III EPD – Products with third-party certification (Type III), including external verification and external critical review, valued as 1.5 products for credit achievement calculation and contributes to option 1 (1 point). Environmental Product Declarations U.S. Green Building Council	WELL, BREEAM, Living Building Challenge (LBC), Green Star
Health Product Declaration (HPD)	<i>Health & Ingredient Transparency</i> A Health Product Declaration (HPD) is a standardized report that discloses the material contents of a product and any associated health hazards. Channel Glass HPD threshold disclosure is 1,000 ppm (0.1%).	<i>Materials and Resources (MR)</i> Channel Glass HPD is a third-party verified HPD and is worth 1.5 products for credit achievement calculation and contributes to option 1 (1 point). Material Ingredients U.S. Green Building Council	WELL, Green Globes
Recycled Content	<i>Material Sustainability Attribute</i> A Recycled Content Certificate is a formal declaration issued by a manufacturer or by a third-party certifier that verifies the percentage of pre- and post-consumer content in the product.	<i>Materials and Resources (MR)</i> Channel Glass has a third-party verified Recycled Content Certificate and can contribute up to 2 possible points. Sourcing of Raw Materials U.S. Green Building Council	BREEAM, Green Star, Living Building Challenge (LBC), Green Globes
Low-Emitting Materials	<i>Indoor Air Quality</i> Low-Emitting Materials are products designed to minimize the release of volatile organic compounds VOCs into the indoor environment. Glass is considered an inherently non-emitting source of VOCs.	<i>Indoor Environmental Quality</i> Channel Glass is an inherently non-emitting source of VOCs and can contribute up to 3 possible points. Low-Emitting Materials U.S. Green Building Council	WELL, Living Building Challenge (LBC), BREEAM, Green Globes
Bird-Friendly Certificate	<i>Wildlife & Façade Safety</i> The Bird-Friendly Certificate is a product certification that shows a product has been manufactured to prevent bird collisions.	<i>Biodiverse Habitat (LEED v5)</i> Channel glass is ABC (American Bird Conservancy) approved and can contribute up to 2 possible points. Biodiverse Habitat U.S. Green Building Council	WELL, Living Building Challenge (LBC)
JUST Label	<i>Social Equity & Organizational Transparency</i> The JUST Label is a voluntary disclosure tool that measures an organization's performance in six key categories: diversity, equity, safety, worker benefits, local benefits, and stewardship.	<i>Social Equity within the Supply Chain</i> Bendheim JUST Label can contribute up to 1 possible point. Social Equity within the Supply Chain U.S. Green Building Council	WELL, Living Building Challenge (LBC)

For more information about sustainability at Bendheim, please contact Uarda Hoti, Sustainability Program Manager, at uhoti@bendheim.com or visit bendheim.com/sustainability

For more information about Channel Glass, please contact Valentina De Munno, Manager of Channel Glass Systems, at vdemunno@bendheim.com or visit bendheim.com

C-Glass House, Tomales, CA
Architect: Deegan-Day Design
Photo: Taiyo Watanabe

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