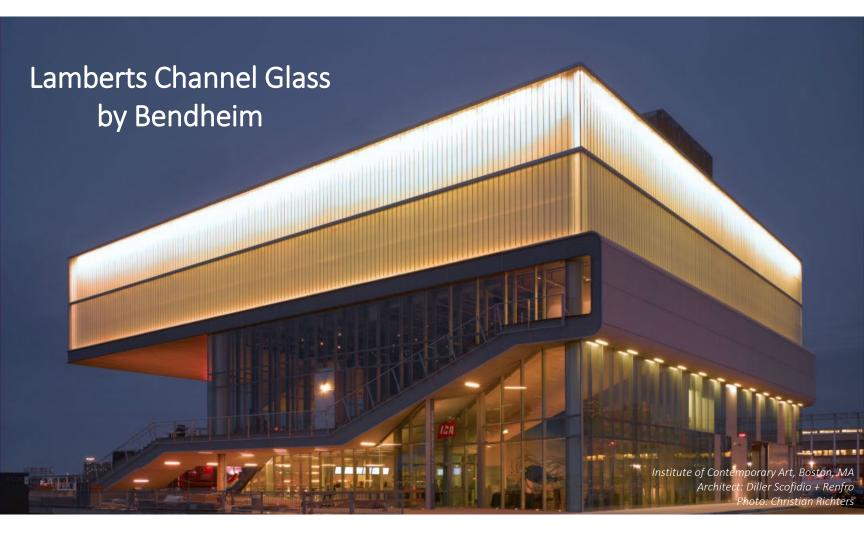


# **Build Green with Channel Glass**

Bendheim certified products earn sustainability credits towards Green Certifications

#### Channel Glass Transparency Documentation contributions, per LEED v4/v4.1

- Third-party verified Environmental Product Declaration (EPD), valued as 1.5 products, contributes to 1 point (Option 1).
- Third-party verified Health Product Declaration (HPD), valued as 1.5 products, contributes to 1 point (Option 1).



## Product description:

U-shaped glass channels, produced in lengths up to 23 ft (7M) long, used for interior partitions and exterior façade applications. It's 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 oxygenfired 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/v4.1 & References	Other Certifications (direct and indirect support)
Environmental Product Declaration (EPD)	Environmental Impact	Materials and Resources (MR)	WELL, BREEAM, Living Building Challenge (LBC), Green Star
	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.	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	
Health Product Declaration (HPD)	Health & Ingredient Transparency	Materials and Resources (MR)	WELL, Living Building Challenge (LBC), Green Globes
	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%).	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	
Recycled Content	Material Sustainability Attribute	Materials and Resources (MR)	BREEAM, Green Star, Living Building Challenge (LBC), Green Globes
	A Recycled Content Certificate is a formal declaration issued by a manufacturer or by a third-party certifier that verifies the percentage of preand post-consumer content in the product.	Channel Glass has a third-party verified Recycled Content Certificate and can contribute up to 2 possible points.  Sourcing of Raw Materials I U.S. Green Building Council	
Low-Emitting Materials	Indoor Air Quality	Indoor Environmental Quality	WELL, Living Building Challenge (LBC), BREEAM, Green Globes
	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.	Channel Glass is an inherently non-emitting source of VOCs and can contribute up to 3 possible points.  Low-Emitting Materials I U.S. Green Building Council	
Bird-Friendly Certificate	Wildlife & Façade Safety	Bird Collision Deterrence	WELL, Living Building Challenge (LBC)
	The Bird-Friendly Certificate is a product certification that shows a product has been manufactured to prevent bird collisions.	Channel glass is ABC (American Bird Conservancy) approved and can contribute up to 1 possible point.  Bird Collision Deterrence I U.S. Green Building Council	
JUST Label	Social Equity & Organizational Transparency	Social Equity within the Supply Chain	WELL, Living Building Challenge (LBC)
	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.	Bendheim JUST Label can contribute up to 1 possible point.  Social Equity within the Supply Chain I U.S. Green Building Council	

