

Building on a Landmark:

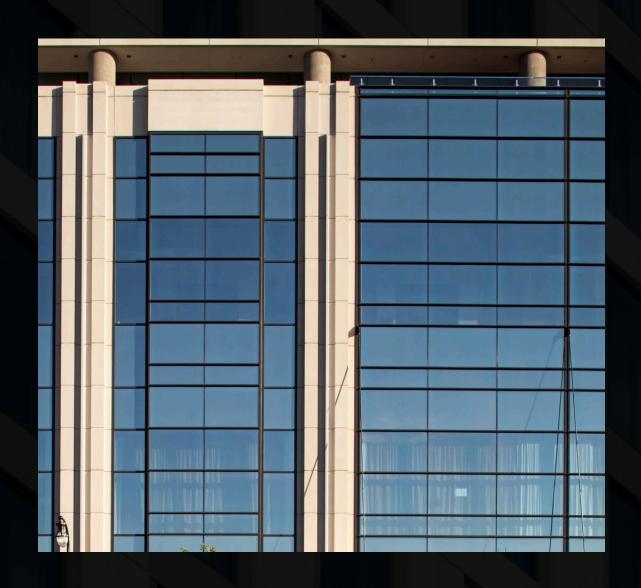
The Omni Nashville Hotel case study

Annissa Flickinger & Emily Losego Vitro Architectural Glass









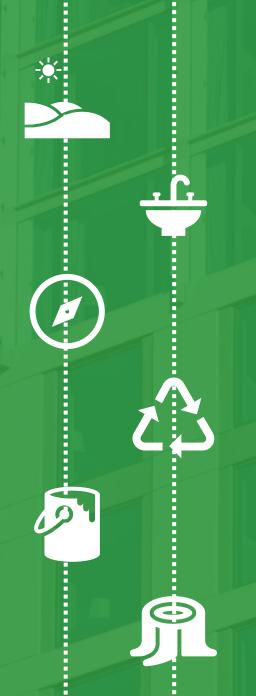
We produced a building mock-up so we could study its (the glass's) color and reflectivity next to the other building materials we were using on the project. That gave us confidence in our selection.

-Michael Strohmer, Vice President HKS



We wanted to use glass on about 90% of the building façade... When we integrated performance data for Solarban® R100 glass into our model, we found that we could **reduce** the output of the mechanical systems enough to help achieve our targeted LEED Silver rating.

-Michael Strohmer, Vice President, HKS







LEED® BD+C: New Construction v3-LEED 2009

Omni is committed to delivering elevated hospitality experiences that are inspired by the true spirit of the destination....

-Kurt Alexander President of Omni Hotels & Resorts





This is about more than just a hotel – it is a symbol of our city's dedication to our future...

Ed Netzhammer, managing director of the Omni Dallas Hotel





















Vitro Architectural Glass

400 Guys Run Road Cheswick, PA 15024 USA 1-855-887-6457 | www.vitroglazings.com

Products

Vitro Flat Glass

Declared Unit

1 metric ton of flat glass with a service life of 30 years

EPD Number and Period of Validity

SCS-EPD-08776 EPD Valid March 17, 2023 through March 16, 2028 Version: June 14, 2023

Product Category Rule

Product Category Rule for Environmental Product Declarations: NGA PCR for Flat Glass: UN CPC 3711. Version 2.0. September 2020. NSF

Program Operator

2000 Powell Street, Ste. 600, Emeryville, CA 94608 +1.510.452.8000 | www.SCSglobalServices.com







Manufacturer Transparency

> Environmental Product **Declarations**





D. Sustainability Submittals

Sustainability Submittals: For all permanently installed products and materials related to the work of this Section, submit product and material documentation to comply with and contribute to the Project's LEED and Puget Sound requirements, as outlined in the Submittals article of Section 018113 - Sustainable Design Requirements.

- A Sustainable Product Data Form shall be submitted for each product, including accessory materials, which contribute to the project's LEED, Puget Sound, and other sustainable design requirements.
- Refer to Part 2 of this Section for specific sustainable product performance requirements.
- The following LEED credits may apply to one or more products covered by the work of this Section:
 - a. Credit MRc2 Building product disclosure and optimization Environmental Product Declarations.
 - b. Credit MRc4 Building product disclosure and optimization Material Ingredients.
 c. Credit EQc2 Low Emitting Materials.
- The following Puget Sound Campus Requirements may apply to one or more products covered by the work of this Section:
- Embodied Carbon.

Embodied Carbon - Glass

emissions™

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- Provide a Product-Specific Type III Environmental Product Declaration (EPD), that meets
 the following parameters, and documents that each glass product's Global Warming
 Potential (GWP) is better than the Carbon Leadership Forum (CLF) BETA Embodied
 Carbon Baselines dated 2019.11.16 as found on EC3 and copied below.
 - a. GWP Baseline Glazing: 3.5 kg CO2eq per kg.
 - 1) System Boundary: Product Stage A1-A3.
 - 2) Declared Unit: 1 kg.
 - 3) Product Category Rule: NSF International PCR for GANA Flat Glass.

Please note the measure of the weight



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ENERGY CALCULATOR		N.S	
	Building Type	Office, New Construction	
Туре	Location	San Antonio, Texas	
	Orientation	270°	
	Window to Wall Ratio	70% - 67,483 SF / 28,921 SF	
ion	Shading	None	
to Wall Ratio	Curtain Wall	report.curtainWallValues.Moderate	
k.		Get Detailed Report	
Wall			
	Clear + Clear		
	VacuMax™ VIG		



olarban® 60 Clear + Clear

Tons CO2 equivalent (T CO2 eq)



26313 TCO2e





Operational Carbon - 25 Year Life Cycle

23251 TCO

23970 TCO2e

Turn every project into a gem.

Trust Vitro Certified™ fabricators to help make your next project your crowning achievement.

Vitro Certified™ fabricators are your exclusive source for consistent, high-performance Solarban® solar control, low-e glass, which offers unparalleled performance and aesthetics to meet project goals.

vitroglazings.com/VCN





