

Building on a Landmark:
The Omni Nashville Hotel case study

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Vitro Architectural Glass





OMNIA HOTEL







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



Omni Dallas Convention Center Hotel



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

Omni Fort Worth
Hotel & Omni
Residences



Omni Fort Lauderdale Hotel, Broward County
Convention Center





Solarban® R77 on Optiblu





VITRO
CONCIERGE
PROGRAM™



Declaration Owner
Vitro Architectural Glass
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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 International.

Program Operator
SCS Global Services
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Regional Production

Manufacturer Transparency

Environmental Product Declarations

Glass Performance

Quality

Global Warming Potential

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.

1. 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.
2. Refer to Part 2 of this Section for specific sustainable product performance requirements.
3. 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.
4. The following Puget Sound Campus Requirements may apply to one or more products covered by the work of this Section:
 - a. Embodied Carbon.
Embodied Carbon - Glass
 1. 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



Select:

- Building Type
- Location
- Orientation
- Window to Wall Ratio
- Shading
- Curtain Wall

Calculate

Building Type: Office, New Construction
Location: San Antonio, Texas
Orientation: 270 °
Window to Wall Ratio: 70% - 67,483 SF / 28,921 SF
Shading: None
Curtain Wall: report.curtainWallValues.Moderate

Get Detailed Report

- Clear + Clear
- VacuMax™ VIG
- Solarban® 60 Clear + Clear



Annual Operational Carbon Emissions

Tons CO2 equivalent (T CO2 eq)

Operational Carbon - 25 Year Life Cycle

Clear + Clear

1053

26313 TCO2e

VacuMax™ VIG

930

23251 TCO2e

Solarban® 60 Clear + Clear

959

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



Come see us at Table #9

Thank you