

# Product Data Sheet



## Aesthetic Description

*Solarban*® 67 glass by Vitro Architectural Glass (formerly PPG Glass) represents an entirely new vision for transparent, solar control low-e glasses. Its soft, almost undetectable neutral coating endows commercial buildings with a clean, clear appearance that delivers a visual “pop” and the excellent solar control performance architects expect from the *Solarban*® glass family.

Thanks to a proprietary double-silver MSVD coating developed by Vitro, *Solarban*® 67 glass transmits and reflects the timbre and brightness of ambient light with true color fidelity. With its clear aesthetic, *Solarban*® 67 glass delivers interior and exterior reflectivity of 16 percent and 19 percent, respectively.

## Proven Solar Control Performance

The revolutionary coating enables *Solarban*® 67 glass to deliver exceptional levels of solar control performance while delivering a high degree of transparency. In a standard one-inch insulating glass unit (IGU) with conventional clear glass, *Solarban*® 67 glass offers a Visible Light Transmittance (VLT) of 54 percent and a Solar Heat Gain Coefficient (SHGC) of 0.29. The result is an impressive Light to Solar Gain (LSG) ratio of 1.86.

In addition to its crisp clarity, *Solarban*® 67 glass provides extraordinary performance attributes to help architects meet the increasingly stringent mandates for energy and environmental performance required by contemporary building codes.

Architects desiring even more color and reflectivity options can unite *Solarban*® 67 glass in an IGU with clear or tinted glass and with *Vistacool*® subtly reflective or *Solarcool*® traditionally reflective glasses.

## Choices are More Than Clear

*Solarban*® 67 glass can be specified with clear glass or with blue, green and earth-toned glasses such as *Atlantica*®, *Azuria*®,

## Transparency with Near Triple-Silver Performance

Product*	VLT	Interior Reflectance	Exterior Reflectance	Winter U-Value	SHGC	LSG Ratio
<i>Solarban</i> ® 60 Glass (2) Clear	70%	12%	11%	0.29	0.39	1.79
<i>Solarban</i> ® 67 Glass (2) Clear	54%	16%	19%	0.29	0.29	1.86
<i>Solarban</i> ® 70XL Glass (2) Clear	64%	13%	12%	0.28	0.27	2.37

\* Based on 1-inch IGU with Clear Glass

With its proprietary neutral double-silver coating, *Solarban*® 67 glass provides brilliant transparency along with solar performance that is comparable to triple-silver-coated *Solarban*® 70XL glass.



Photo courtesy of Tom Kessler Photography

### WESTMED Medical Group

Location: Harrison, NY | Product: *Solarban*® 67 Glass | Architect: Design Development, LLC Glass | Contractor: E.C. Contracting, Inc. | Glass Fabricator: Trulite Glass & Aluminum Solutions

*Optiblue*®, *Optigray*®, *Pacifica*®, *Solarblue*®, *Solarbronze*® or *Solargray*® glasses on the second or third surfaces of an IGU. These complementary products enable *Solarban*® 67 glass to provide a full spectrum of color choice as well as SHGCs that range from 0.20 to 0.34 and VLTs of up to 42 percent. *Solarban*® 67 glass in any 1-inch IGU configuration has a winter nighttime U-value of 0.29.



Solarban® 67 Glass

**Fabrication and Availability**

Solarban® 67 glass is available exclusively through the Vitro Certified™ Network. Vitro Certified™ Fabricators can meet tight construction deadlines and accelerate the delivery of replacement glass before, during and after construction. Solarban® 67 glass is manufactured using the sputter-coating process and is available for annealed, heat-strengthened and tempered applications.

**Additional Resources**

Solarban® 67 glass is Cradle to Cradle Certified™. For more information or to obtain samples of any Vitro Glass product, call 1-855-VTRO-GLS (887-6457) or visit vitroglazings.com.

Vitro Glass is the first U.S. float glass manufacturer to have its products recognized by the Cradle to Cradle Certified™ program, and offers more C2C-certified architectural glasses than any other float glass manufacturer.



Legacy ER

Location: Allen, TX | Product: Solarban® 67 Optiblu® Glass | Architect: 5G Studio | Contractor: Huffman Builders | Glass Fabricator: Tristars | Glass Contractor: Tepco

Insulating Glass Unit Performance Comparisons | 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites

Glass Type		Visible Light Transmittance (VLT)	Visible Light Reflectance		(BTU/hr <sup>2</sup> ft <sup>2</sup> °F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
Outdoor Lite: Coating if Any (Surface) Glass	Indoor Lite: Coating if Any (Surface) Glass		Exterior %	Interior %	Winter Nighttime	Winter Argon		
<b>Solarban® 67 Solar Control Low-E Glass</b>								
Solarban® 67 (2) Clear	+ Clear	54	19	16	0.29	0.24	0.29	1.86
Solarban® 67 (2) Starphire®	+ Starphire®	57	20	16	0.29	0.24	0.30	1.90
Solarban® 67 (2) Solexia®	+ Clear	47	16	16	0.29	0.24	0.25	1.88
Solarban® 67 (2) Atlantica®	+ Clear	41	13	16	0.29	0.24	0.22	1.86
Solarban® 67 (2) Azuria®	+ Clear	42	13	16	0.29	0.24	0.23	1.83
Solarban® 67 (2) Optiblu®	+ Clear	39	12	15	0.29	0.24	0.25	1.56
Solarban® 67 (2) Solarblue®	+ Clear	34	10	15	0.29	0.24	0.22	1.55
Solarban® 67 (2) Pacifica®	+ Clear	26	8	15	0.29	0.24	0.19	1.37
Solarban® 67 (2) Solarbronze®	+ Clear	32	10	15	0.29	0.24	0.22	1.45
Solarban® 67 (2) Optigray®	+ Clear	38	12	15	0.29	0.24	0.24	1.58
Solarban® 67 (2) Solargray®	+ Clear	27	8	15	0.29	0.24	0.20	1.35
Atlantica®	+ Solarban® 67 (3) Clear	41	11	18	0.29	0.24	0.29	1.41
Azuria®	+ Solarban® 67 (3) Clear	42	11	18	0.29	0.24	0.29	1.45
Solarblue®	+ Solarban® 67 (3) Clear	34	9	18	0.29	0.24	0.30	1.13
Pacifica®	+ Solarban® 67 (3) Clear	26	7	18	0.29	0.24	0.23	1.13
Solarbronze®	+ Solarban® 67 (3) Clear	32	9	18	0.29	0.24	0.29	1.10
Optigray®	+ Solarban® 67 (3) Clear	38	10	18	0.29	0.24	0.32	1.19
Solargray®	+ Solarban® 67 (3) Clear	27	8	18	0.29	0.24	0.26	1.04
Graylite® II	+ Solarban® 67 (3) Clear	5	4	18	0.29	0.24	0.12	0.42

All performance data calculated using LBNL Window 7.3 software and represents center of glass performance data. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit [www.ppgideascesapes.com](http://www.ppgideascesapes.com) or request our Architectural Glass Catalog.

For more information about Solarban® low-e glass and other Cradle to Cradle Certified™ architectural glasses by Vitro Glass, visit [vitroglazings.com](http://vitroglazings.com), or call 1-855-VTRO-GLS (887-6457).

