

Product Data Sheet



Aesthetic Description

Solarban® R67 (formerly *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 magnetron sputtered vacuum deposition (MSVD) coating developed by Vitro, *Solarban*® R67 glass transmits and reflects the timbre and brightness of ambient light with true color fidelity. With its clear aesthetic, *Solarban*® R67 glass delivers interior and exterior reflectivity of 16 percent and 19 percent, respectively.

Proven Solar Control Performance

The revolutionary coating enables *Solarban*® R67 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*® R67 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*® R67 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*® R67 glass in an IGU with clear or tinted glass and with *Vistacool*® subtly reflective or *Solarcool*® traditionally reflective glasses.



WESTMED Medical Group

Location: Harrison, NY | Product: *Solarban*® R67 Glass | Architect: Design Development, LLC Glass | Contractor: E.C. Contracting, Inc. | Glass Fabricator: Trulite Glass & Aluminum Solutions

Product*	VLT %	SHGC
<i>Solarban</i> ® 60 Glass (2) Clear	70%	0.39
<i>Solarban</i> ® R67 Glass (2) Clear	54%	0.29
<i>Solarban</i> ® 70 (formerly <i>Solarban</i> ® 70XL) Glass (2) Clear	64%	0.27

Based on one-inch IGU with Clear Glass.

With its proprietary neutral double-silver coating, *Solarban*® R67 glass provides brilliant transparency along with solar performance that is comparable to triple-silver-coated *Solarban*® 70 glass.

Supporting Sustainable Design

Vitro Architectural Glass provides abundant opportunities for architects and building owners to realize their sustainability objectives.

Energy Use & Operating Cost Reduction: High-performance glasses by Vitro are engineered to facilitate downsized mechanical equipment costs, leading to reduced long-term energy costs. Visit tools.vitroglazings.com for glass comparison and configuration tools for analyzing glass products.

Sustainability Documentation: Vitro Architectural Glass is the first U.S. float glass manufacturer to have its entire selection of products recognized by the *Cradle to Cradle Certified*™ program, and the first in North America to publish third-party verified Environmental Product Declarations (EPDs) for its Flat Glass and Processed Glass products.

For additional credit opportunities and supporting documentation, visit vitroglazings.com/LEED

LEED® Credit Opportunities			
Possible Points	LEED Credit	<i>Solarban</i> ® R67 Feature	Path/Option Satisfied
18	Energy & Atmosphere (EA) Optimize Energy Performance	Excellent SHGC, U-value and Tvis performance	Whole Building Energy Simulation (Option 1) or Prescriptive Compliance: ASHRAE Advanced Energy Design Guide (Option 2)
5	Innovation (IN) Innovation in Design	Exceeds minimum performance mandated by local energy codes	Innovation (Option 1), Pilot (Option 2) and Exemplary Performance (Option 3)

Solarban® R67 Glass

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

Outdoor Lite: Coating if Any (Surface) Glass	Glass Type + Indoor Lite: Coating if Any (Surface) Glass	Visible Light Transmittance (VLT) %	Visible Light Reflectance		(BTU/hr ² ft ² °F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Color Rendering Index (CRI)
			Exterior %	Interior %	Winter Nighttime	Winter Argon		

Solarban® R67 Solar Control Low-E Glass

Solarban® R67 (2) Clear + Clear	54	19	16	0.29	0.24	0.29	92
Solarban® R67 (2) Acuity™ + Acuity™	56	19	16	0.29	0.24	0.30	94
Solarban® R67 (2) Starphire® + Starphire®	57	20	16	0.29	0.24	0.30	95
Solarban® R67 (2) Solexia® + Clear	47	16	16	0.29	0.24	0.25	85
Solarban® R67 (2) Atlantica® + Clear	41	13	16	0.29	0.24	0.22	82
Solarban® R67 (2) Azuria® + Clear	42	13	16	0.29	0.24	0.23	74
Solarban® R67 (2) Optiblue® + Clear	39	12	15	0.29	0.24	0.25	88
Solarban® R67 (2) Solarblue® + Clear	34	10	15	0.29	0.24	0.23	81
Solarban® R67 (2) Pacifica® + Clear	26	8	15	0.29	0.24	0.19	68
Solarban® R67 (2) Solarbronze® + Clear	32	10	15	0.29	0.24	0.22	95
Solarban® R67 (2) Optigray® + Clear	38	12	15	0.29	0.24	0.24	90
Solarban® R67 (2) Solargray® + Clear	27	8	15	0.29	0.24	0.20	90
Atlantica® + Solarban® R67 (3) Clear	41	11	18	0.29	0.24	0.29	81
Azuria® + Solarban® R67 (3) Clear	42	11	18	0.29	0.24	0.29	74
Solarblue® + Solarban® R67 (3) Clear	34	9	18	0.29	0.24	0.30	81
Pacifica® + Solarban® R67 (3) Clear	26	7	18	0.29	0.24	0.23	68
Solarbronze® + Solarban® R67 (3) Clear	32	9	18	0.29	0.24	0.29	95
Optigray® + Solarban® R67 (3) Clear	38	10	18	0.29	0.24	0.32	90
Solargray® + Solarban® R67 (3) Clear	27	8	18	0.29	0.24	0.26	90
Graylite® II + Solarban® R67 (3) Clear	5	4	18	0.29	0.24	0.12	83

Fabrication and Availability

Solarban® R67 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® R67 glass is manufactured using the sputter-coating process and is available for annealed, laminated, heat-strengthened and tempered applications.

Request Samples

To obtain samples of any Vitro Glass product, call 1-855-VTRO-GLS (877-6457) or visit samples.vitroglazings.com.



Legacy ER

Location: Allen, TX | Product: Solarban® R67 Optiblue® Glass | Architect: 5G Studio | Contractor: Huffman Builders | Glass Fabricator: Tristars | Glass Contractor: Tepco

For more information about Solarban® R67 low-e glass and other Cradle to Cradle Certified™ architectural glasses by Vitro Glass, visit vitroglazings.com, or call 1-855-VTRO-GLS (887-6457).

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