



University of Texas at San Antonio (UTSA)
National Security Collaboration Center



Palomar Medical Center



510 Vermont

Solarban® 70 Solar Control Low-e Glass

The Industry's Favorite Low-e Glass for Two Decades

Solarban® 70 glass debuted in 2005 as the world's first triple-silver low-e coating and continues to be the most proven and commonly-specified low-e glass of its kind.

1-Inch IGU on Clear (2)		Substrate Options		
SHGC	VLT%	Clear	Low-Iron	Tinted
0.27	64	✓	✓	✓

Aesthetic: Neutral

Reflectivity: Low

Availability				
Titan™ Glass Sizes	BirdSmart® Glass	Annealed	Heat Treatable	Vitro Certified® Network
✓	✓	✓	✓	✓

Compatibility			
Laminated	Bent	Heat Soaked Testing	Used With Sungate Therml™ 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/hr²ft²°F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Color Rendering Index (CRI)
			Exterior %	Interior %	Winter Nighttime	Winter Argon		

Solarban® 70 Solar Control Low-E Glass

Solarban® 70 (2) + Clear	64	13	14	0.28	0.24	0.27	91
Solarban® 70 (2) Solexia® + Clear	56	11	14	0.28	0.24	0.26	85
Solarban® 70 (2) Azuria® + Clear	50	10	13	0.28	0.24	0.24	69
Solarban® 70 (2) Solarblue® + Clear	41	8	13	0.28	0.24	0.22	81
Solarban® 70 (2) Solarbronze® + Clear	39	8	13	0.28	0.24	0.20	93
Solarban® 70 (2) Optigray® + Clear	46	9	13	0.28	0.24	0.23	89
Solarban® 70 (2) Solargray® + Clear	32	7	13	0.28	0.24	0.19	89
Solarban® 70 (2) Pacifica® + Clear	31	7	13	0.28	0.24	0.19	69
Atlantica® + Solarban® 70 (3) Clear	48	9	11	0.28	0.24	0.28	81
Graylite® II + Solarban® 70 (3) Clear	6	4	10	0.28	0.24	0.11	81

Solarban® 70 Optiblue® Solar Control Low-E Glass

Solarban® 70 (2) Optiblue® + Clear	46	9	13	0.28	0.24	0.23	87
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All performance data calculated using LBNL Window 7.8 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 vitroglazings.com or request our Architectural Glass Catalog.

Solarban 70® glass for annealed applications is applied to Acuity® glass. Heat treated will require either clear or Acuity® glass depending on the manufacturing process.

Sustainability

All Vitro Architectural Glass Products meet US GSA Low-Embodied Carbon standards.

Vitro is the **first** U.S. glass manufacturer to have its entire collection earn **Cradle to Cradle Certified®** recognition and **first** North American glass manufacturer to publish **Environmental Product Declarations** (EPDs) for Flat and Processed Glass Products.



For more information visit vitroglazings.com, or call 1-855-VTRO-GLS (887-6457).

To order samples, visit samples.vitroglazings.com

Projects

University of Texas at San Antonio (UTSA) National Security Collaboration Center | San Antonio, Texas | Solarban® 70 Glass
Architect: Overland Partners Architects | Glass Fabricator: Glasswerks | General Contractor: Whiting Turner Construction | Photographer: Tom Kessler

Palomar Medical Center | Escondido, California | Solarban® 60 Glass, Solarban® 70 Glass | Architect: CO Architects, Anshen+Allen
Vitro Certified® Fabricator | Glazing Contractor: Shengxing Glass and Cladding Systems | Owner/Developer: Palomar Pomerado Health
General Contractor: DPR Construction | Photographer: David Cox, DPR Construction

510 Vermont | Los Angeles, California | Solarban® 70 Glass | Architect: Gensler
Glass Fabricator: Glassfab Tempering Services Inc. | Glazing Contractor: Walters & Wolf | Photographer: Tom Kessler



Solarban® 70 Clear Glass