

## Solarban® 90 Solar Control Low-e Glass

# Solar Control Without Sacrifice

Introduced as the world's first quad-silver glass in 2015, Solarban® 90 glass delivers outstanding solar control with a true neutral-reflective appearance.

1-Inch IGU on Clear (2)		Substrate Options				
		SHGC	VLT%	Clear	Low-Iron	Tinted
		0.23	51	✓	✓	✓

**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	
✓	✓	✓	✓	

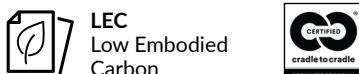
Insulating Glass Unit Performance Comparisons   1-inch (25 mm) units with 1/2-inch (13 mm) airspace and two 1/4-inch (6 mm) lites								
Outdoor Lite: Coating if Any (Surface) Glass	Glass Type + Indoor Lite: Coating if Any (Surface) Glass	Visible Light Transmittance (VLT) %	Visible Light Reflectance		(BTU/hr²ft²°F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Color Rendering Index (CRI)
			Exterior %	Interior %	Winter Nighttime	Winter Argon		
Solarban® 90 Solar Control Low-E Glass								
Solarban® 90 (2) Clear + Clear		51	12	19	0.29	0.24	0.23	92
Solarban® 90 (2) Acuity® + Acuity®		53	12	19	0.29	0.24	0.23	94
Solarban® 90 (2) Starphire® + Starphire®		54	13	20	0.29	0.24	0.23	95
Solarban® 90 (2) Solexia® + Clear		44	10	19	0.29	0.24	0.22	86
Solarban® 90 (2) Azuria® + Clear		39	9	19	0.29	0.24	0.21	75
Solarban® 90 (2) Optiblue® + Clear		37	8	19	0.29	0.24	0.20	88
Solarban® 90 (2) Solarblue® + Clear		32	8	18	0.29	0.24	0.19	81
Solarban® 90 (2) Solarbronze® + Clear		31	7	18	0.29	0.24	0.18	94
Solarban® 90 (2) Optigray® + Clear		36	8	19	0.29	0.24	0.20	90
Solarban® 90 (2) Solargray® + Clear		26	6	18	0.29	0.24	0.17	90
Atlantica® + Solarban® 90 (3) Clear		39	13	12	0.29	0.24	0.26	82
Solarban® 90 (2) Pacifica® + Clear		24	6	18	0.29	0.24	0.17	69
Graylite® II + Solarban® 90 (3) Clear		5	4	11	0.29	0.24	0.11	82

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](http://vitroglazings.com) or request our Architectural Glass Catalog.

### 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](http://vitroglazings.com), or call 1-855-VTRO-GLS (887-6457).

To order samples, visit [samples.vitroglazings.com](http://samples.vitroglazings.com)



Solarban® 90 Starphire® Glass

### Projects

**Pegasus Park** | Dallas, Texas | Solarban® 90 Acuity® Glass | Architect: GFF

Glass Fabricator: Tristar Glass Inc. | Glazing Contractor: Sunbelt Waterproofing | Photographer: Tom Kessler

**SAFE Credit Union Performing Arts Center** | Sacramento, California | Solarban® 90 Acuity® Glass | Architect: DLR Group

Glass Fabricator: Glassfab Tempering Services | Glazing Contractor: Bagatelos Architectural Glass Systems | Photographer: Tom Kessler

**SXSW Office Tower** | Austin, Texas | Solarban® 90 Glass | Architect: Pei Cobb Freed & Partners, Gensler

Glass Fabricator: OldCastle BuildingEnvelope® | Photographer: Tom Kessler