



FNB Tower



One Flagler



Oakbrook Commons MPG Medical Office Building

Solarban® R77 Solar Control Low-e Glass

# Reflective Low-e Glass That Mirrors the Environment

Showcasing reflectivity and capturing the visual characteristics of the sky and ambient environment, Solarban® R77 glass is a neutral-reflective low-e glass with a soft, silver-blue aesthetic.

1-Inch IGU on Clear (2)		Substrate Options		
SHGC	VLT%	Clear	Low-Iron	Tinted
0.25	47	✓	✓	✓

**Aesthetic:** Neutral-reflective, silver-blue  
**Reflectivity:** Moderate-high

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® R77 Neutral-Reflective Low-e Glass**

Solarban® R77 (2) Clear + Clear	47	25	16	0.29	0.24	0.25	94
Solarban® R77 (2) Acuity® + Acuity®	49	26	16	0.29	0.24	0.25	95
Solarban® R77 (2) Starphire® + Starphire®	50	26	16	0.29	0.24	0.25	98
Solarban® R77 (2) Solexia® + Clear	41	20	16	0.29	0.24	0.23	87
Solarban® R77 (2) Azuria® + Clear	36	17	16	0.29	0.24	0.21	76
Solarban® R77 (2) Optiblu® + Clear	34	15	16	0.29	0.24	0.21	90
Solarban® R77 (2) Solarblue® + Clear	30	13	16	0.29	0.24	0.20	83
Solarban® R77 (2) Solarbronze® + Clear	28	12	16	0.29	0.24	0.19	96
Solarban® R77 (2) Optigray® + Clear	33	15	16	0.29	0.24	0.21	93
Solarban® R77 (2) Solargray® + Clear	23	10	15	0.29	0.24	0.18	93
Solarban® R77 (2) Pacifica® + Clear	23	9	15	0.29	0.24	0.17	70

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.

**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.



EPD  
Environmental  
Product Declaration



LEC  
Low Embodied  
Carbon



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® R77 Starphire® glass offers a neutral-reflective appearance.

**Projects**

**One Flagler** | West Palm Beach, Florida | Solarban® R77 Acuity® Glass | Architect: Skidmore Owings & Merrill  
Glass Fabricator: Tecnoglass S.A. | Glazing Contractor: West Tampa Glass | Owner/Developer: Related Companies  
General Contractor: Coastal Construction Co. | Photographer: Terry Wieckert – Abstract Photography, Inc.

**FNB Tower** | Pittsburgh, Pennsylvania | Solarban® R77 Acuity® Glass (Tower), Solarban® 60 Acuity® Glass (Podium) | Architect: Gensler  
Vitro Certified® Fabricator | Glazing Contractor: PJ Dick | General Contractor: Antamex | Photographer: Jim Cunningham

**Oakbrook Commons MPG Medical Office Building** | Oakbrook, Illinois | Solarban® R77 Glass | Architect: Antunovich Associates, Inc.  
Vitro Certified® Fabricator | Glazing Contractor: Oldcastle BuildingEnvelope® | General Contractor: Glass Solutions, Inc. | Photographer: Tom Kessler