

Product Data Sheet

Blue and Green Tinted Glasses

Aesthetic Description

Architects have relied on blue and green tinted glasses for decades to give buildings a distinctive look and to reduce heat gain and glare. Vitro Architectural Glass (formerly PPG glass) offers a collection of blue and green tints that can be paired with its exceptional range of advanced low-e and reflective coatings to offer architects more performance and aesthetic options than ever.

In addition to light-green *Solexia*® glass, which has been an industry mainstay since the 1930s, Vitro’s color palette includes aqua-blue *Azuria*® glass, emerald-green *Atlantica*® glass, sky-blue *Solarblue*® glass and rich-blue *Pacifica*® glass. Using these tints with reflective *Solarcool*® and subtly-reflective *Vistacool*® glass coatings further multiplies the color selection.

Performance Characteristics

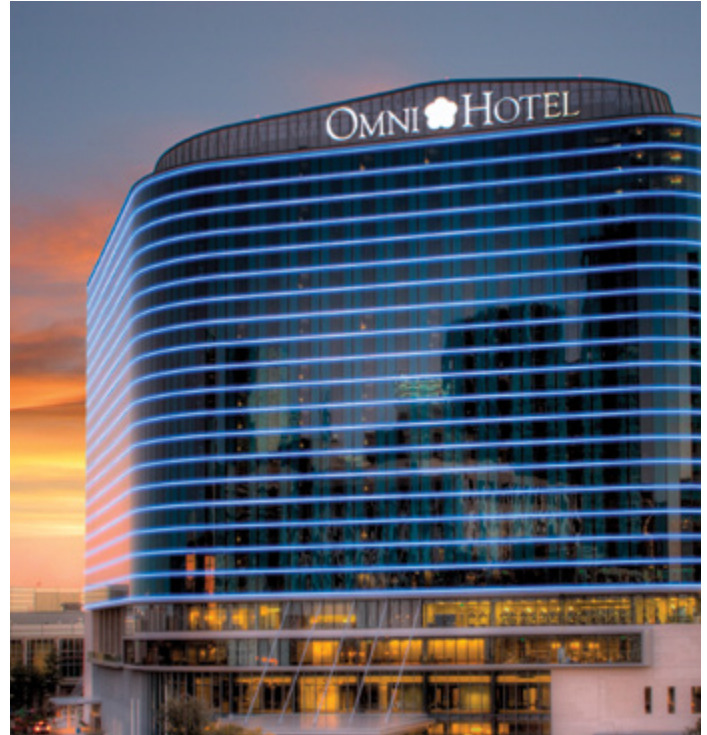
Blue and green tinted glasses are available with *Solarban*® solar control, low-e glasses or combined in an insulating glass unit (IGU) with *Sungate*® passive low-e glasses to fulfill a wide range of performance demands. reflective, color-enhanced glass (see performance data on back page).

Fabrication and Availability

Blue and green tinted glasses, provide maximum processing flexibility and can be laminated, tempered or heat-strengthened to satisfy increased strength or safety glazing requirements. Vitro tinted glasses are available from hundreds of Vitro-qualified glass fabricators in the U.S., Canada and throughout the world. Tinted glasses with *Solarban*® glasses are available through the *Vitro Certified*™ Network.

Additional Resources

To obtain samples of any Vitro Glass product, call 1-855-VTROGLS (877-6457) or visit samples.vitroglazings.com. For videos, design insights and technical education, visit the Vitro Glass Education Center at glassed.vitroglazings.com. For glass comparison and configuration tools, visit tools.vitroglazings.com.



Omni Dallas Convention Center Hotel

Location: Dallas, TX | **Products:** *Pacifica*®, *Solarban*® z50, *Solarban*® 70 Glasses
Architect: BOKA Powell Architects; 5GStudio | **Glass Fabricator:** JE Berkowitz, LP |
Owner/Developer: City of Dallas/Matthews Southwest

Vitro Architectural 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.

Insulating Glass Unit Performance Comparisons | Monolithic (6mm)

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 ²⁰ F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
			Exterior %	Interior %	Winter Nighttime	Winter Argon		
<i>Pacifica</i> ® Glass		42	5	5	1.02	na	0.49	0.86
<i>Solarblue</i> ® Glass		56	6	6	1.02	na	0.61	0.92
<i>Azuria</i> ® Glass		68	7	7	1.02	na	0.52	1.31
<i>Solexia</i> ® Glass		77	8	8	1.02	na	0.62	1.24
<i>Atlantica</i> ® Glass		67	7	7	1.02	na	0.53	1.26

Comparison table continued on back.

Blue and Green Tinted Glasses

Insulating Glass Unit Performance Comparisons | 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) 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 ²⁰ F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
			Exterior %	Interior %	Winter Nighttime	Winter Argon		
Pacifica® Glass								
Solarban® 70 (2) Pacifica® + Clear		31	7	13	0.28	0.24	0.19	1.63
Solarban® 67 (2) Pacifica® + Clear		26	8	15	0.29	0.24	0.19	1.37
Solarban® 60 (2) Pacifica® + Clear		34	6	10	0.29	0.24	0.23	1.48
Solarban® 90 (2) Pacifica® + Clear		24	6	18	0.29	0.24	0.17	1.41
Solarban® R77 (2) Pacifica® + Clear		23	9	15	0.29	0.24	0.17	1.35
Solarban® R100 (2) Pacifica® + Clear		20	11	13	0.29	0.25	0.16	1.25
Pacifica® + Solarban® 70 (3) Clear		31	6	10	0.28	0.24	0.22	1.41
Pacifica® + Solarban® 67 (3) Clear		26	7	18	0.29	0.24	0.23	1.13
Pacifica® + Solarban® 60 (3) Clear		34	6	9	0.29	0.24	0.25	1.36
Pacifica® + Solarban® 90 (3) Clear		24	8	11	0.29	0.24	0.21	1.14
Pacifica® + Sungate® 400 (3) Clear		37	7	11	0.32	0.28	0.30	1.23
Solarblue® Glass								
Solarban® 70 (2) Solarblue® + Clear		41	8	13	0.28	0.24	0.22	1.86
Solarban® 67 (2) Solarblue® + Clear		34	10	15	0.29	0.24	0.23	1.48
Solarban® 60 (2) Solarblue® + Clear		45	7	11	0.29	0.24	0.29	1.55
Solarban® 90 (2) Solarblue® + Clear		32	8	18	0.29	0.24	0.19	1.68
Solarban® R77 (2) Solarblue® + Clear		30	13	16	0.29	0.24	0.20	1.50
Solarban® R100 (2) Solarblue® + Clear		26	15	13	0.29	0.25	0.19	1.37
Solarblue® + Solarban® 70 (3) Clear		41	8	12	0.28	0.24	0.27	1.52
Solarblue® + Solarban® 67 (3) Clear		34	9	18	0.29	0.24	0.30	1.13
Solarblue® + Solarban® 60 (3) Clear		45	7	9	0.29	0.24	0.33	1.36
Solarblue® + Solarban® 90 (3) Clear		32	10	11	0.29	0.24	0.25	1.28
Solarblue® + Sungate® 400 (3) Clear		48	8	12	0.32	0.28	0.42	1.14
Azuria® Glass								
Solarban® 70 (2) Azuria® + Clear		50	10	13	0.28	0.24	0.24	2.08
Solarban® 67 (2) Azuria® + Clear		42	13	16	0.29	0.24	0.23	1.83
Solarban® 60 (2) Azuria® + Clear		54	8	11	0.29	0.24	0.28	1.93
Solarban® 90 (2) Azuria® + Clear		39	9	19	0.29	0.24	0.21	1.86
Solarban® R77 (2) Azuria® + Clear		36	17	16	0.29	0.24	0.21	1.71
Solarban® R100 (2) Azuria® + Clear		32	21	13	0.29	0.25	0.19	1.68
Azuria® + Solarban® 70 (3) Clear		49	9	11	0.28	0.24	0.29	1.69
Azuria® + Solarban® 67 (3) Clear		42	11	18	0.29	0.24	0.29	1.45
Azuria® + Solarban® 60 (3) Clear		54	9	10	0.29	0.24	0.31	1.74
Azuria® + Solarban® 90 (3) Clear		39	13	12	0.29	0.24	0.27	1.44
Azuria® + Sungate® 400 (3) Clear		59	10	12	0.32	0.28	0.34	1.74
Solexia® Glass								
Solarban® 70 (2) Solexia® + Clear		56	11	14	0.28	0.24	0.26	2.15
Solarban® 67 (2) Solexia® + Clear		47	16	16	0.29	0.24	0.25	1.88
Solarban® 60 (2) Solexia® + Clear		61	9	12	0.29	0.24	0.32	1.91
Solarban® 90 (2) Solexia® + Clear		44	10	19	0.29	0.24	0.22	2.00
Solarban® R77 (2) Solexia® + Clear		41	20	16	0.29	0.24	0.23	1.78
Solarban® R100 (2) Solexia® + Clear		36	25	13	0.29	0.25	0.21	1.71
Solexia® + Solarban® 70 (3) Clear		56	11	12	0.28	0.24	0.32	1.75
Solexia® + Solarban® 60 (3) Clear		61	10	10	0.29	0.24	0.37	1.65
Solexia® + Solarban® 90 (3) Clear		44	16	12	0.29	0.24	0.30	1.47
Solexia® + Sungate® 400 (3) Clear		66	11	13	0.32	0.28	0.44	1.50
Atlantica® Glass								
Solarban® 70 (2) Atlantica® + Clear		49	10	13	0.28	0.24	0.23	2.13
Solarban® 67 (2) Atlantica® + Clear		41	13	16	0.29	0.24	0.22	1.86
Solarban® 60 (2) Atlantica® + Clear		53	8	11	0.29	0.24	0.27	1.96
Solarban® 90 (2) Atlantica® + Clear		39	9	19	0.29	0.24	0.20	1.95
Solarban® R77 (2) Atlantica® + Clear		35	16	16	0.29	0.24	0.20	1.75
Solarban® R100 (2) Atlantica® + Clear		31	20	13	0.29	0.25	0.19	1.63
Atlantica® + Solarban® 70 (3) Clear		48	9	11	0.28	0.24	0.28	1.71
Atlantica® + Solarban® 67 (3) Clear		41	11	18	0.29	0.24	0.29	1.41
Atlantica® + Solarban® 60 (3) Clear		53	9	10	0.29	0.24	0.31	1.71
Atlantica® + Solarban® 90 (3) Clear		39	13	12	0.29	0.24	0.26	1.50
Atlantica® + Sungate® 400 (3) Clear		58	9	12	0.32	0.28	0.35	1.66

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 vitroglazings.com or request our Architectural Glass Catalog.

For more information about Reflective and Subtly Reflective Glasses and other Cradle to Cradle Certified™ architectural glasses by Vitro Glass, visit vitroglazings.com, or call 1-855-VTRO-GLS (887-6457).

