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.

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

For more information, or to obtain samples of any Vitro glass product, call our Architectural Services Hotline at **1-855-VTRO-GLS (887-6457)** or visit **vitroglazings.com**.

Omni Dallas Convention Center Hotel

Location: Dallas, TX -| Products: *Pacifica*®, *Solarban*® z50, *Solarban*® 70XL 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.

Table of Performance Values

Glass Type Coating if Any (Surface) Glass Outdoor Lite: Indoor Lite:	Visible Light Transmittance (VLT)	Visible Light Reflectance		(BTU/hr°ft²°F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
		Exterior %	Interior %	Winter Nighttime	Winter Argon		
Monolithic (6mm)							
Pacifica® Glass	42	5	5	1.02	na	0.49	0.86
Solarblue® Glass	56	6	6	1.02	na	0.61	0.92
Azuria® Glass	68	7	7	1.02	na	0.52	1.31
Solexia® Glass	77	8	8	1.02	na	0.62	1.24
Atlantica® Glass	67	7	7	1.02	na	0.53	1.26

Comparison table continued on back.

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Insulating Vision Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites							
***Pacifica*® Glass**							
Solarban® 70XL (2) *Pacifica*® + Clear	32	6	12	0.28	0.24	0.19	1.68
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	0.22	1.55
Solarban® 90 (2) *Pacifica*® + Clear	24	6	18	0.29	0.24	0.17	1.41
Solarban® R100 (2) *Pacifica*® + Clear	20	11	13	0.29	0.25	0.16	1.25
Pacifica® + *Solarban*® 70XL (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® 70XL (2) *Solarblue*® + Clear	42	8	12	0.28	0.24	0.23	1.83
Solarban® 67 (2) *Solarblue*® + Clear	34	10	15	0.29	0.24	0.22	1.55
Solarban® 60 (2) *Solarblue*® + Clear	45	7	11	0.29	0.24	0.28	1.61
Solarban® 90 (2) *Solarblue*® + Clear	32	8	18	0.29	0.24	0.19	1.68
Solarban® R100 (2) *Solarblue*® + Clear	26	15	13	0.29	0.25	0.19	1.37
Solarblue® + *Solarban*® 70XL (3) Clear	40	8	11	0.28	0.24	0.27	1.48
Solarblue® + *Solarban*® 67 (3) Clear	32	9	18	0.29	0.24	0.29	1.10
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® 70XL (2) *Azuria*® + Clear	52	9	12	0.28	0.24	0.25	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® R100 (2) *Azuria*® + Clear	32	21	13	0.29	0.25	0.19	1.68
Azuria® + *Solarban*® 70XL (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® 70XL (2) *Solexia*® + Clear	58	10	13	0.28	0.24	0.27	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® R100 (2) *Solexia*® + Clear	36	25	13	0.29	0.25	0.21	1.71
Solexia® + *Solarban*® 70XL (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® 70XL (2) *Atlantica*® + Clear	51	9	12	0.28	0.24	0.24	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® R100 (2) *Atlantica*® + Clear	32	20	13	0.29	0.25	0.19	1.68
Atlantica® + *Solarban*® 70XL (3) Clear	49	10	11	0.28	0.24	0.28	1.75
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	10	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).**