



Atlantis Resort

Location: Paradise Island,
The Bahamas

Product: Azuria™ Glass

Architect: Wimberly Allison Tong
& Goo

Glazing Contractor:

Commonwealth Building Supplies

Glass Fabricator: Arch Aluminum
& Glass Co., Inc.

Owner/Developer: Sun
International Hotels Ltd.

Aesthetic Description

Azuria™ Glass (formerly **Azurlite®**) is a stunning aqua-blue glass that is now part of the **Oceans of Color®** collection by PPG. **Azuria** glass's distinctive aesthetic blends brilliantly with the surrounding environment, adding beauty while delivering solar control and spectrally selective* properties that place it at the top of the industry.

Performance Options

Azuria Glass (6mm Monolithic)

- Exceptional Visible Light Transmittance (VLT): 68%
- Good Solar Heat Gain Coefficient (SHGC): 0.51
- Excellent Light to Solar Gain (LSG) ratio: 1.34

Azuria Glass (1" I.G. unit, 6mm)

- Outstanding Visible Light Transmittance (VLT): 61%
- Excellent Solar Heat Gain Coefficient (SHGC): 0.39
- Outstanding Light to Solar Gain (LSG) ratio: 1.56

Azuria and Sungate® 500 (3) Low-E Glass (1" I.G. unit, 6mm)

Combining **Azuria** with **Sungate®** 500 Low-E Glass delivers premium performance at a highly competitive cost.

- Excellent Visible Light Transmittance (VLT): 57%
- Excellent Solar Heat Gain Coefficient (SHGC): 0.34
- Superior Light to Solar Gain (LSG) ratio: 1.68

Azuria and Solarban® 60 (3) Solar Control Low-E Glass (1" I.G. unit, 6mm)

Combining these two products provides outstanding overall energy performance.

- Excellent Visible Light Transmittance (VLT): 54%
- Excellent Solar Heat Gain Coefficient (SHGC): 0.31
- Superior Light to Solar Gain (LSG) ratio: 1.74

* The U.S. Department of Energy defines spectrally selective as glass with a Light to Solar Gain (LSG) ratio of 1.25 or higher.



(formerly **Azurlite®**)



Caribia®
Glass



Solexia™
Glass

(formerly **Solex®**)



Atlantica™
Glass

(formerly **Solargreen®**)



Jack D. Evans Police Headquarters
Location: Dallas, TX
Product: Azuria™ Glass
Architect: Phillips Swager Associates
Glazing Contractor: Peter at Y.M.
Glass Fabricator: ACI Distribution

Fabrication and Availability

Azuria glass provides maximum processing flexibility and can easily be heat-strengthened, tempered, or laminated to satisfy increased strength or safety glazing requirements. Azuria glass is durable and readily available from nearly 100 glass fabrication locations throughout the U.S. and Canada.

Additional Resources

Azuria glass is just one of the *EcoLogical Building Solutions™* from PPG. For more information, or to obtain samples of Azuria glass, call 1-888-PPG-IDEA, or visit www.ppgglazing.com.



PPG *IdeaScapes™* Integrated products, people and services to inspire your design and color vision.

Azuria™ Glass (formerly Azurlite®) Performance — Commercial Insulating Glass Unit and Monolithic Comparisons Using 1/4" (6mm) Glass

Glass Type	Transmittance			Reflectance		U-Value (Imperial)		K-Value (Metric)		Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
	Ultra-violet %	Visible %	Total Solar Energy %	Visible Light %	Total Solar Energy %	Winter Night-time	Summer Day-time	Winter Night-time	Summer Day-time			
Monolithic (6mm)												
AZURIA	42	68	32	7	5	1.02	0.93	5.79	5.28	0.59	0.51	1.34
Insulating Vision Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites; interior lite clear												
AZURIA Tinted Glass	34	61	28	11	7	0.47	0.50	2.67	2.84	0.45	0.39	1.56
SUNGATE® Low-E Glasses												
SUNGATE 100 (3) AZURIA	24	56	23	9	7	0.31	0.30	1.76	1.70	0.38	0.33	1.70
SUNGATE 500 (3) AZURIA	29	57	24	12	7	0.35	0.35	1.99	1.99	0.40	0.34	1.68
SOLARBAN® 60 Solar Control Low-E Glass												
SOLARBAN 60 (3) AZURIA	10	54	21	9	7	0.29	0.28	1.65	1.55	0.36	0.31	1.74

Performance data calculated using LBL Window 5.2. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgglazing.com or request our Architectural Glass Catalog.

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