



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' 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

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

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: 1.66

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: 1.75

Azuria and Solarban 70XL (3) Solar Control Low-E Glass (1" I.G. Unit, 6mm)

- Good Visible Light Transmittance (VLT): 49%
- Outstanding Solar Heat Gain Coefficient (SHGC): 0.29
- Superior Light to Solar Gain (LSG) ratio: 1.70

Azuria and Solarban z50 (3) Solar Control Low-E Glass (1" I.G. Unit, 6mm)

- Good Visible Light Transmittance (VLT): 39%
- Outstanding Solar Heat Gain Coefficient (SHGC): 0.30
- Good Light to Solar Gain (LSG) ratio: 1.31



(formerly Azurlite®)



Caribia®
Glass



Solexia™
Glass

(formerly Solex®)



Atlantica™
Glass

(formerly Solargreen®)



Pacifica™
Glass

Fabrication and Availability

Azuria glass provides maximum processing flexibility and can be easily laminated, tempered or heat-strengthened to satisfy increased strength or safety glazing requirements.

Azuria glass with second-surface **Solarban 70XL** and **Solarban 60** coatings is available exclusively through the PPG Certified Fabricator Network. **Azuria** glass is also readily available without second-surface **Solarban** coatings from nearly 100 glass fabrication locations throughout the U.S. and Canada, and international representatives in 25 countries.

Additional Resources

Ecological Building Solutions



from PPG encompass a number of environmentally sustainable architectural glass products, including **Azuria** glass with **Vistacool™**, **Solarban** and **Sungate** coatings. For more information or to obtain samples of any PPG glass product, call 1-888-PPG-IDEA (774-4332), or visit www.ppgideasces.com. All PPG architectural glass is Cradle to Cradle Certified.™

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



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

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

Glass Type	Transmittance			Reflectance		U-Value (Imperial)		European U-Value	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				
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™ Glass											
AZURIA + Clear	34	61	28	11	7	0.47	0.50	2.81	0.45	0.39	1.56
SOLARBAN 70XL (2) AZURIA + Clear*	4	48	17	9	7	0.28	0.26	1.50	0.27	0.23	2.09
SOLARBAN 60 (2) AZURIA + Clear	13	54	21	8	7	0.29	0.27	1.55	0.32	0.28	1.93
AZURIA + SOLARBAN 70XL (3)*	4	49	17	10	8	0.28	0.26	1.50	0.33	0.29	1.70
AZURIA + SOLARBAN 60 (3) Clear	13	54	21	9	7	0.29	0.27	1.55	0.36	0.31	1.75
AZURIA + SOLARBAN z50 (3) OPTIBLUE	10	39	16	8	7	0.29	0.27	1.55	0.35	0.30	1.31
AZURIA + SUNGATE 500 (3) Clear	29	57	24	12	7	0.35	0.35	1.96	0.40	0.34	1.66
VISTACOO™ (Subtly Reflective) and SOLARCOOL® (Reflective) with AZURIA Glass											
VISTACOO (2) AZURIA + Clear	29	47	22	21	11	0.47	0.50	2.81	0.39	0.34	1.39
VISTACOO (2) AZURIA + SOLARBAN 70XL (3)*	4	38	14	21	12	0.28	0.26	1.50	0.27	0.24	1.59
VISTACOO (2) AZURIA + SOLARBAN 60 (3) Clear	11	42	16	20	11	0.29	0.27	1.55	0.30	0.26	1.61
VISTACOO (2) AZURIA + SUNGATE 500 (3) Clear	24	44	19	22	11	0.35	0.35	1.96	0.34	0.29	1.53
VISTACOO (2) AZURIA + SOLARBAN z50 (3) OPTIBLUE	9	30	12	20	11	0.29	0.27	1.55	0.29	0.25	1.20
SOLARCOOL (2) AZURIA + Clear	10	24	12	20	10	0.48	0.50	2.82	0.29	0.25	0.95
SOLARCOOL (2) AZURIA + SOLARBAN 70XL (3)*	1	19	7	19	10	0.28	0.26	1.50	0.18	0.15	1.27
SOLARCOOL (2) AZURIA + SOLARBAN 60 (3) Clear	4	21	8	19	10	0.29	0.27	1.55	0.19	0.16	1.31
SOLARCOOL (2) AZURIA + SUNGATE 500 (3) Clear	8	22	10	20	10	0.35	0.35	1.96	0.23	0.20	1.11

* Solarban 70XL for annealed applications is applied to Starphire glass; heat treated applications will require either clear or Starphire glass depending on manufacturing process.

All performance data calculated using LBNL Window 5.2 software, except European U-Value, which is calculated using WinDat version 3.0.1 software. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgideasces.com or request our Architectural Glass Catalog.

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