



*Antamex International
Head Office
Location: Vaughan, Ontario,
Canada
Product: Caribia[®] Glass
Architect: Petroff Partnership
Architects
Glazing Contractor: Antamex
International Inc.
Glass Fabricator: Trulite
Industries Ltd.
Owner/Developer: Antamex
International Inc.*

Caribia[®] Glass is the newest addition to PPG's collection of spectrally selective glasses inspired by the sea, **Oceans of Color**[®].

Aesthetic Description

Caribia glass's aqua-green tint is as strikingly beautiful as the sea from which it draws its name. The pleasing combination of tropical green and ocean blue is a welcome addition to the design palette of architects. Though inspired by the sea, this unique tint works with a range of different building materials to create structures of lasting beauty.

Caribia glass was developed in response to an extensive color/tint survey of design architects. Their top glass color choice led PPG to create this highly unique aqua-green spectrally selective glass.

Performance Options

Spectrally selective* **Caribia** glass is designed to combine excellent visible light transmittance with reduced infrared transmittance, thereby reducing solar heat loads.

Caribia Glass (6mm Monolithic)

- Exceptional Visible Light Transmittance (VLT): 68%
- Good Solar Heat Gain Coefficient (SHGC): 0.52
- Excellent Light to Solar Gain (LSG) ratio: 1.32

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

- Outstanding Visible Light Transmittance (VLT): 60%
- Excellent Solar Heat Gain Coefficient (SHGC): 0.39
- Outstanding Light to Solar Gain (LSG) ratio: 1.54

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

- Excellent Visible Light Transmittance (VLT): 56%
- Excellent Solar Heat Gain Coefficient (SHGC): 0.34
- Superior Light to Solar Gain (LSG) ratio: 1.65

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

OCEANS OF COLOR[®]
PPG Spectrally Selective Tinted Glasses



Caribia[®]
Glass



Azuria[™]
Glass

(formerly *Azurlite*[®])



Solexia[™]
Glass

(formerly *Solex*[®])



Atlantica[™]
Glass

(formerly *Solargreen*[®])



Panevino Ristorante and Gourmet Deli

Location: Las Vegas, NV

Products: Caribia®/ Sungate® 500 Glass

Architect: Marnell Architecture
Glazing Contractor: Sierra Glass
Glass Fabricator: Northwestern Industries, Inc.

Seattle, WA

Owner: Marnell Properties, LLC

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

Combining these two PPG high-performance products provides ultimate solar heat control while maintaining desirable high visible light transmittance.

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

Fabrication and Availability

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

Caribia glass is durable and readily available from nearly 100 glass fabrication locations throughout the U.S. and Canada.

Additional Resources

Caribia glass is just one of the EcoLogical Building Solutions™ from PPG. For more information, or to obtain samples of Caribia 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.

Caribia® Glass 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)												
CARIBIA	24	68	32	7	5	1.02	0.93	5.79	5.28	0.60	0.52	1.32
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												
CARIBIA Tinted Glass	20	60	28	11	7	0.47	0.50	2.67	2.84	0.45	0.39	1.54
SUNGATE® Low-E Glasses												
SUNGATE 100 (3) CARIBIA	14	56	23	9	7	0.31	0.30	1.76	1.70	0.38	0.33	1.70
SUNGATE 500 (3) CARIBIA	17	56	24	12	7	0.35	0.35	1.99	1.99	0.40	0.34	1.65
SOLARBAN® 60 Solar Control Low-E Glass												
SOLARBAN 60 (3) CARIBIA	8	54	20	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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