



**Maritime Plaza**  
*Location: Washington, D.C.*  
*Products: Solexia™/Solarban® 60 Glass*  
*Architect: HKS*  
*Glazing Contractor: EDRON Glass*  
*Glass Fabricator: J.E. Berkowitz, L.P.*  
*Owner/Developer: Maritime Plaza I, L.P./ Lincoln Property Company*

**Aesthetic Description**

**Solexia™** Glass (formerly **Solex®**) is a soothing, light-green glass that is now part of the **Oceans of Color®** collection by PPG. Introduced in 1952, **Solex** glass introduced the concept of spectrally selective\* glasses to the architectural community and launched an unparalleled heritage of energy-saving performance and exceptionally attractive looks. With its new identity, **Solexia** glass will remain an industry standard for spectrally selective performance — a role it has played for more than a half-century.

**Performance Options**

**Solexia Glass (6mm Monolithic)**

- Exceptional Visible Light Transmittance (VLT): 77%
- Good Solar Heat Gain Coefficient (SHGC): 0.60
- Excellent Light to Solar Gain (LSG) ratio: 1.28

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

- Exceptional Visible Light Transmittance (VLT) for any tinted glass insulating unit: 69%
- Good Solar Heat Gain Coefficient (SHGC): 0.49
- Excellent Light to Solar Gain (LSG) ratio: 1.41

**Solexia and Sungate® 500 (3) Low-E Glass (I.G. unit, 6mm)**

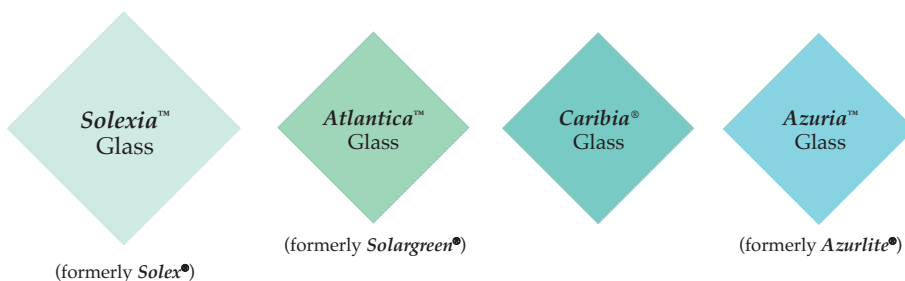
- Combining Solexia with Sungate 500 Low-E glass delivers premium performance at a highly competitive cost.
- Outstanding Visible Light Transmittance (VLT): 64%
  - Good Solar Heat Gain Coefficient (SHGC): 0.45
  - Excellent Light to Solar Gain (LSG) ratio: 1.42

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

- Combining these two products provides outstanding overall energy performance.
- Outstanding Visible Light Transmittance (VLT): 60%
  - Good Solar Heat Gain Coefficient (SHGC): 0.37
  - Exceptional Light to Solar Gain (LSG) ratio: 1.62



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





### Staples Center

**Location:** Los Angeles, CA  
**Product:** Solexia™ Glass  
**Glazing Contractor:** APEX  
**Glass Fabricator:** Glasstwerks, Inc.  
**Owner/Developer:** L.A. Arena Co., LLC

For a half-century, Solexia™ Glass (formerly Solex®) by PPG has allowed the design of comfortable, attractive structures such as New York's Lever House. This architectural landmark was the first major building to use tinted glass as a design and environmental control element.

### Fabrication and Availability

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

### Additional Resources

Solexia glass is just one of the EcoLogical Building Solutions™ from PPG. For more information, or to obtain samples of Solexia glass, call 1-888-PPG-IDEA, or visit [www.ppgglazing.com](http://www.ppgglazing.com).



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### Solexia™ Glass (formerly Solex®) 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			
<b>Monolithic (6mm)</b>												
SOLEXIA	31	77	47	8	6	1.02	0.93	5.79	5.28	0.71	0.61	1.26
<b>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</b>												
SOLEXIA Tinted Glass	25	69	39	13	8	0.47	0.50	2.67	2.84	0.57	0.49	1.41
<b>SUNGATE® Low-E Glasses</b>												
SUNGATE 100 (3) SOLEXIA	18	63	30	10	10	0.31	0.30	1.76	1.70	0.48	0.41	1.54
SUNGATE 500 (3) SOLEXIA	21	64	33	14	9	0.35	0.35	1.99	1.99	0.51	0.45	1.42
<b>SOLARBAN® 60 Solar Control Low-E Glass</b>												
SOLARBAN 60 (3) SOLEXIA	8	60	25	11	11	0.29	0.28	1.65	1.55	0.42	0.37	1.62

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](http://www.ppgglazing.com) or request our Architectural Glass Catalog.

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