

# High-Performance Gray Glasses



***Beverly Headquarters**  
Location: Fort Smith, AZ  
Products: Graylite® & Optigray®  
Glasses/Solarban® 60 Glass  
Architect: Cromwell Architects  
Engineers  
Glass Fabricator: Oldcastle Glass*

From warm grays to bold blacks, PPG High-Performance Gray glasses are a critical part of the architect's decorative repertoire. PPG offers two proven favorites that deliver good looks, together with exceptional UV protection and excellent solar control characteristics.

## **Optigray® 23 Glass**

**Optigray® 23** glass is gray-tinted with warm bronze undertones and enhanced solar control capabilities.

**Optigray 23** glass transmits 21% of the sun's visible light while blocking more than 80% of its solar energy in a one-inch insulating unit. The result is a Solar Heat Gain Coefficient of 0.29 — among the lowest of any architectural tinted glass product.

Along with a reduced air-conditioning load, **Optigray 23** glass also significantly diminishes glare and ultraviolet light transmittance, which is associated with the accelerated fading of fabrics and other interior materials.

## **Graylite® Glass**

For an even bolder, dark aesthetic, PPG offers **Graylite** glass. Originally introduced in 1960, **Graylite** glass delivers optimum levels of solar control together with a fashionable, nearly black appearance.

In a one-inch insulating unit, **Graylite** glass has a Solar Heat Gain Coefficient of 0.34, which is also among the



## ***Caesars Palace Tower***

*Location: Las Vegas, NV*

*Product: Graylite® Glass*

*Architect: Bergman Walls Youngblood*

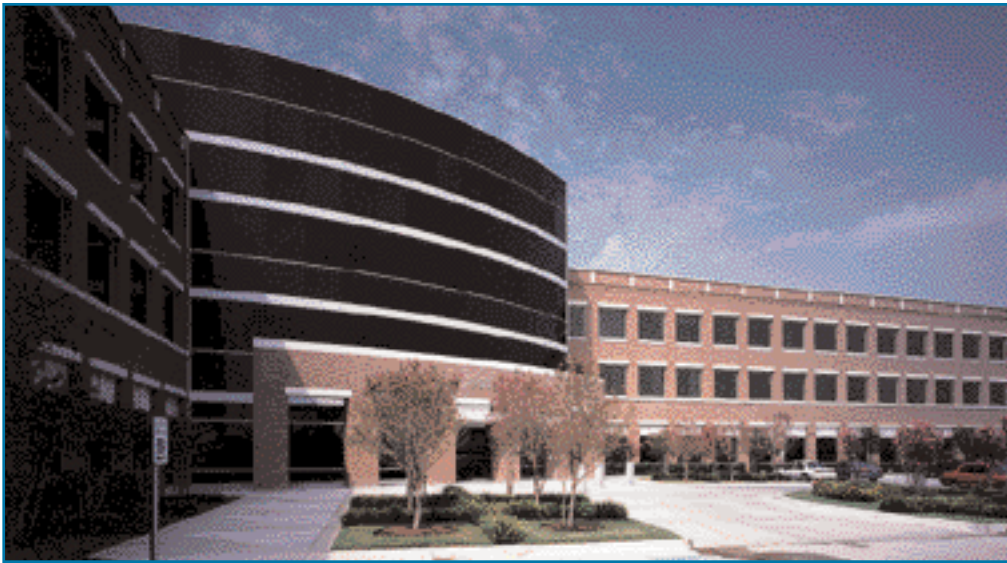
*Glazing Contractor: Accuracy Glass*

*Glass Fabricator: Oldcastle Glass*

lowest available for any uncoated glass. In addition, **Graylite** glass helps protect interior fabrics and colors from fading by blocking up to 94% of the sun's ultraviolet energy — more than any architectural glass on the market today.

With Visible Light Transmittance of just 12%, **Graylite** glass is ideal glare control and privacy glazing.

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## Rosemeade Office Building

Location: Dallas, TX

Products: *Optigray*® 23 Glass and *Graylite*® Glass

Architect: Halderman Powell + Partners

Glazing Contractor: Southwest Glass Inc.

Glass Fabricator: ACI/Dallas

Owner/Developer: Trammel Crow Development

## Fabrication and Availability

*Optigray* 23 glass and *Graylite* glass can be heat-strengthened, tempered and laminated and is readily available as a standard product. *Optigray* 23 and *Graylite* glasses are available from nearly 100 glass fabrication locations throughout the U.S. and Canada.

## Additional Resources

For more information, or to obtain samples of *Optigray* 23 glass and *Graylite* glass, call 1-888-PPG-IDEA, or visit [www.ppgglazing.com](http://www.ppgglazing.com).

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## *Optigray*® 23 and *Graylite*® Performance — Commercial Insulating Glass Unit 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>												
<i>OPTIGRAY</i> 23	8	23	19	5	5	1.02	0.93	5.79	5.28	0.50	0.43	0.53
<i>GRAYLITE</i>	7	14	26	5	5	1.02	0.93	5.79	5.28	0.55	0.47	0.30
<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>												
<i>OPTIGRAY</i> 23 Tinted Glass	6	21	15	6	5	0.47	0.50	2.67	2.84	0.34	0.29	0.72
<i>GRAYLITE</i> Tinted Glass	6	12	19	5	5	0.47	0.50	2.67	2.84	0.39	0.34	0.35
<b><i>SUNGATE</i>® Low-E Glasses</b>												
<i>SUNGATE</i> 100 (3) <i>OPTIGRAY</i> 23	5	19	11	5	6	0.31	0.30	1.76	1.70	0.25	0.21	0.90
<i>SUNGATE</i> 100 (3) <i>GRAYLITE</i>	4	11	12	5	8	0.31	0.30	1.76	1.70	0.27	0.23	0.48
<i>SUNGATE</i> 500 (3) <i>OPTIGRAY</i> 23	6	19	13	6	6	0.35	0.35	1.99	1.99	0.28	0.24	0.79
<i>SUNGATE</i> 500 (3) <i>GRAYLITE</i>	5	11	16	5	6	0.35	0.35	1.99	1.99	0.33	0.28	0.39
<b><i>SOLARBAN</i>® 60 Solar Control Low-E Glass</b>												
<i>SOLARBAN</i> 60 (3) <i>OPTIGRAY</i> 23	3	18	9	5	6	0.29	0.28	1.65	1.55	0.22	0.19	1.00
<i>SOLARBAN</i> 60 (3) <i>GRAYLITE</i>	2	11	8	5	10	0.29	0.28	1.65	1.55	0.21	0.18	0.65

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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Printed in U.S.A.  
7070 1/05 10M

