

# High-Performance Gray Glasses



**Beverly Headquarters**  
**Location:** Fort Smith, AZ  
**Products:** *Graylite*<sup>®</sup> & *Optigray*<sup>®</sup>  
Glasses/*Solarban*<sup>®</sup> 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*<sup>®</sup> 23 Glass

*Optigray*<sup>®</sup> 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*<sup>®</sup> 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*<sup>®</sup> 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.

# High-Performance Gray Glasses



## 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).

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

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