

# Product Data Sheet



## Gray and Bronze Tinted Glasses

### Aesthetic Description

Gray and bronze tinted glasses have long been popular with architects because of their ability to harmonize with other building materials and add sleekness to building profiles. Vitro Architectural Glass (formerly PPG glass) offers three distinct gray tints with varying levels of Vitro Architectural Glass (formerly PPG glass) (VLT), including ultra-neutral, light-gray *Optigray*® glass, cool-gray *Solargray*® glass and dark-gray *Graylite*® II glass – along with classic *Solarbronze*® glass, which architects have specified for commercial buildings for more than 40 years.

For a broader aesthetic palette, some Vitro gray and bronze tinted glasses are available with reflective *Solarcool*® glass coating.

### Performance Characteristics

Versatile gray and bronze tinted glasses are available with *Solarban*® solar control, low-e glasses or combined in insulating glass with *Sungate*® passive low-e glasses to fulfill a wide range of performance demands.

### Fabrication and Availability

Gray and bronze tinted glasses, as well as *Solarban*® and *Sungate*® low-e glasses, provide maximum processing flexibility and can be easily laminated, tempered or heat-strengthened to satisfy increased strength or safety glazing requirements. Tinted and *Sungate*® glasses are available from hundreds of Vitro-qualified glass fabricators in the U.S., Canada and throughout the world. *Solarban*® low-e glasses are available through the *Vitre Certified*™ Network.

### Additional Resources

Vitre Architectural Glass encompass a number of environmentally sustainable architectural glass products, including uncoated gray and bronze tinted glasses, as well as those with *Solarcool*®, *Solarban*® and *Sungate*® glass coatings. For more information, or to obtain samples of any Vitro Glass product, contact our Architectural Services Hotline at **1-855-VTRO-GLS (887-6457)** or visit [vitroglazings.com](http://vitroglazings.com).

Vitre Architectural Glass is the first U.S. float glass manufacturer to have its products recognized by the *Cradle to Cradle Certified*™ program, and offers more C2C-certified architectural glasses than any other float glass manufacturer.



**Victory Building**

Location: Little Rock, AR | Products: *Solargray*®/*Solarban*® 60 Glass | Architect: Cromwell Architects Engineers | Glazing Contractor: Ace Glass | Glass Fabricator: Trulite Glass and Aluminum Solutions



Gray and Bronze Tinted Glasses

**Table of Performance Values**

Glass Type Coating if Any (Surface) Glass Outdoor Lite: Indoor Lite:	Visible Light Transmittance (VLT)	Visible Light Reflectance		(BTU/hr <sup>2</sup> ft <sup>2</sup> °F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
		Exterior %	Interior %	Winter Nighttime	Winter Argon		
Monolithic (6mm)							
Optigray® Glass	63	6	6	1.02	na	0.64	0.98
Solargray® Glass	44	6	6	1.02	na	0.58	0.76
Solarbronze® Glass	53	6	6	1.02	na	0.63	0.84
Graylite® II Glass	9	4	5	1.02	na	0.36	0.25

Insulating Vision Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites

**Optigray® Glass**

Solarban® 70XL (2) Optigray® + Clear	47	8	12	0.28	0.24	0.24	1.96
Solarban® 67 (2) Optigray® + Clear	38	12	15	0.29	0.24	0.24	1.58
Solarban® 60 (2) Optigray® + Clear	50	8	11	0.29	0.24	0.30	1.67
Solarban® 90 (2) Optigray® + Clear	36	8	19	0.29	0.24	0.20	1.80
Solarban® R100 (2) Optigray® + Clear	29	18	13	0.29	0.25	0.20	1.45
Optigray® + Solarban® 70XL (3) Clear	45	9	11	0.28	0.24	0.29	1.55
Optigray® + Solarban® 67 (3) Clear	38	10	18	0.29	0.24	0.32	1.19
Optigray® + Solarban® 60 (3) Clear	50	8	9	0.29	0.24	0.35	1.43
Optigray® + Solarban® 90 (3) Clear	36	12	11	0.29	0.24	0.27	1.33
Optigray® + Sungate® 400 (3) Clear	54	9	12	0.32	0.28	0.46	1.17

**Solargray® Glass**

Solarban® 70XL (2) Solargray® + Clear	34	6	12	0.28	0.24	0.20	1.70
Solarban® 67 (2) Solargray® + Clear	27	8	15	0.29	0.24	0.20	1.35
Solarban® 60 (2) Solargray® + Clear	35	6	10	0.29	0.24	0.25	1.40
Solarban® 90 (2) Solargray® + Clear	26	6	18	0.29	0.24	0.17	1.53
Solarban® R100 (2) Solargray® + Clear	21	12	13	0.29	0.25	0.17	1.24
Solargray® + Solarban® 70XL (3) Clear	32	7	11	0.28	0.24	0.24	1.33
Solargray® + Solarban® 67 (3) Clear	27	8	18	0.29	0.24	0.26	1.04
Solargray® + Solarban® 60 (3) Clear	35	7	9	0.29	0.24	0.29	1.21
Solargray® + Solarban® 90 (3) Clear	25	8	11	0.29	0.24	0.22	1.14
Solargray® + Sungate® 400 (3) Clear	38	7	12	0.32	0.28	0.39	0.97

**Solarbronze® Glass**

Solarban® 70XL (2) Solarbronze® + Clear	40	7	12	0.28	0.24	0.21	1.90
Solarban® 67 (2) Solarbronze® + Clear	32	10	15	0.29	0.24	0.22	1.45
Solarban® 60 (2) Solarbronze® + Clear	42	7	11	0.29	0.24	0.28	1.50
Solarban® 90 (2) Solarbronze® + Clear	31	7	18	0.29	0.24	0.18	1.72
Solarban® R100 (2) Solarbronze® + Clear	25	15	13	0.29	0.25	0.18	1.39
Solarbronze® + Solarban® 70XL (3) Clear	38	8	11	0.28	0.24	0.26	1.46
Solarbronze® + Solarban® 67 (3) Clear	32	9	18	0.29	0.24	0.29	1.10
Solarbronze® + Solarban® 60 (3) Clear	42	7	9	0.29	0.24	0.32	1.31
Solarbronze® + Solarban® 90 (3) Clear	30	10	11	0.29	0.24	0.24	1.25
Solarbronze® + Sungate® 400 (3) Clear	46	8	12	0.32	0.28	0.44	1.05

**Graylite® II Glass**

Graylite® II + Solarban® 70XL (3) Clear	6	4	10	0.28	0.24	0.11	0.55
Graylite® II + Solarban® 67 (3) Clear	5	4	18	0.29	0.24	0.12	0.42
Graylite® II + Solarban® 60 (3) Clear	7	4	8	0.29	0.24	0.13	0.54
Graylite® II + Solarban® 90 (3) Clear	5	4	11	0.29	0.24	0.11	0.45
Graylite® II + Sungate® 400 (3) Clear	8	4	11	0.32	0.28	0.15	0.53

All performance data calculated using LBNL Window 7.3 software and represents center of glass performance data. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit [vitroglazings.com](http://vitroglazings.com) or request our Architectural Glass Catalog.

For more information about Reflective and Subtly Reflective Glasses and other *Cradle to Cradle Certified™* architectural glasses by Vitro Glass, visit [vitroglazings.com](http://vitroglazings.com), or call 1-855-VTRO-GLS (887-6457).

