

New ultra-neutral, light-gray PPG OPTIGRAY glass delivers a warm, neutral aesthetic for low-e and uncoated glass.

The newest addition to Vitrum's collection of neutral tinted glasses, PPG Optigray glass is designed to maximize light transmittance, clarity and colour neutrality while delivering advanced solar performance and better U-Values when combined with Solarban solar control low-e glass.

Optigray Glass subtly lowers visible light, offering natural views with a warm neutral tint, creating a more comfortable living or work environment. This control of excessive visible light is ideal for high-rise residential applications where glare reduction and solar heat gain are of concern. The subtle tint of Optigray will absorb excessive light and solar heat, thus reducing cooling requirements and creating a more comfortable living environment.

Say Goodbye To The Green

Developed with a subtle, light-gray tint, Optigray glass eliminates the green hue that is commonly found in conventional clear glass formulations. This in turn produces a warm, ultra-neutral aesthetic that brings crisp natural view to vision glazings.

High Performance Value

When it comes to balancing light transmittance and solar control, Optigray glass can perform as well as it looks. It is specially formulated to function as a substrate for solar control, low-e coatings such as; Solarban 70XL, Solarban 67, Solarban 60 and Solarban R100 glass, producing a Light to Solar Gain (LSG) ratio of up to 1.96.



Uncoated **Optigray** IGU with clear interior lite



Uncoated IGU's with clear interior lite

Alternative Gray Substrates for your next glazing project

Solarcool Gray (left photo, top left), provides a subtly reflective, silver appearance that provides exceptional solar control. This reflective exterior coating helps block solar heat and provides significant energy savings and enhanced comfort when combined with a low-e coating.

Graylite II (left photo, top right) is ideal for glare control and privacy glazing. This product is ideally suited for commercial applications where control of visible light and solar heat gain are required.

The **Solargray** Glass (left photo, bottom left), gives a cool light-gray colour, distinctively cooler and bluer than the warm neutral aesthetic offered by Optigray. Solargray is ideally suited to enhance commercial façades, creating bold visual statements, while offering reduced glare and solar-heat gain

For the most neutral option select **Optigray** (left photo, bottom right). Notice the gray tint is very subtle, which produces a warm, neutral-gray hue, that absorbs excessive light and heat.



This image highlights the difference in visible light and tint that Optigray glass provides, in comparison to the Solarcool Gray. Notice how the reflection of light on the left hand side, gives a cool, blue tint to the wall. This colouration comes from the Solarcool Gray Glass, while the reflection on the right hand side provides a warmer, neutral hue, as it is through Optigray Glass. This warmth, and neutrality can create a more natural living environment and provides remarkable clarity.

CLEAR GLASS

Outdoor Lite + Indoor Lite	Visible %	Exterior Reflectance %	Interior Reflectance %	U-Value Winter Night-time	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
SOLARBAN 70XL (2) + Clear	64	12	13	0.28	0.27	2.37
SOLARBAN 67 (2) Clear + Clear	54	19	16	0.29	0.29	1.86
SOLARBAN 60 (2) Clear + Clear	70	11	12	0.29	0.39	1.79
SOLARBAN R100 (2) Clear + Clear	42	32	13	0.29	0.23	1.83

OPITGRAY GLASS

SOLARBAN 70XL (2) OPTIGRAY + Clear	47	8	12	0.28	0.24	1.96
SOLARBAN 67 (2) OPTIGRAY + Clear	38	12	15	0.29	0.24	1.58
SOLARBAN 60 (2) OPTIGRAY + Clear	50	8	11	0.29	0.30	1.67
SOLARBAN R100 (2) OPTIGRAY + Clear	29	18	13	0.29	0.20	1.45
OPTIGRAY + SOLARBAN 70XL (3)	45	9	11	0.28	0.29	1.55
OPTIGRAY + SOLARBAN 67 (3) Clear	38	10	18	0.29	0.32	1.19
OPTIGRAY + SOLARBAN 60 (3) Clear	50	8	9	0.29	0.35	1.43

SOLARGRAY GLASS

SOLARBAN 70XL (2) + SOLARGRAY + Clear	34	6	12	0.28	0.20	1.70
SOLARBAN 67 (2) SOLARGRAY + Clear	27	8	15	0.29	0.20	1.35
SOLARBAN 60 (2) SOLARGRAY + Clear	35	6	10	0.29	0.25	1.40
SOLARBAN R100 (2) SOLARGRAY + Clear	21	12	13	0.29	0.17	1.24

GRAYLITE II GLASS

GRAYLITE II + SOLARBAN 70XL (3)	6	4	10	0.28	0.11	0.55
GRAYLITE II + SOLARBAN 67 (3) Clear	5	4	18	0.28	0.12	0.42
GRAYLITE II + SOLARBAN 60 (3) Clear	7	4	8	0.29	0.13	0.54

SOLARCOOL SOLARGRAY GLASS

SOLARCOOL (2) SOLARGRAY + SOLARBAN 70XL (3)	13	11	27	0.28	0.14	0.93
SOLARCOOL (2) SOLARGRAY + SOLARBAN 60 (3) Clear	14	11	29	0.29	0.17	0.82
SOLARCOOL (2) SOLARGRAY + Clear	16	11	38	0.47	0.32	0.50



All performance data calculated using LBNL Window 6.3 software and represents centre of glass performance data. All units are 1 inch (25mm) with 1/2 inch (13mm) airspace and two 1/4 inch (6mm) lites.