



Vanceva® Ocean Grey

Solutia, the world leader in protective interlayer for laminated glass, is proud to announce the newest addition to the Vanceva® color studio: Ocean Grey

Providing a new method to achieve uniform transparent color in glazing without the use of colored glass, paints, coatings or post applied films, Vanceva® Ocean Grey is a uniformly pigmented polyvinyl butyral (PVB) interlayer product designed for the production of glass laminates.

Vanceva Ocean Grey interlayer, has a uniform neutral gray color which is delivered at a high light transmittance. It can be used alone, layered with itself, or with other Vanceva colors to create varying degrees of transparent, translucent or opaque grays and rich deep hues of blue, red and amber. Compared to alternative methods, Vanceva Ocean Grey achieves beautiful aesthetics with consistent visual quality, and the ability to create various transmittance ranges without thickening the glass.

The availability of Vanceva Ocean Grey also provides security of supply for neutral gray glass with a minimal footprint for stock keeping purposes as compared to cases of colored glass. Ocean Grey is a complementary offering to Vanceva Polar White and Vanceva Absolute Black interlayers.

With various layer combinations of greys or grey and white, a gradation in glass from white to black can be built with exciting and various offerings between the two extremes. Vanceva Ocean Grey interlayer delivers all the benefits that have come to be expected from laminated glasses properly produced with Saflex® brand interlayers: Human and hurricane impact resistance, glass shard retention, acoustical damping, durability, strength and uniform consistent color.

Vanceva Ocean Grey has a light transmittance of 61% and is perfect for a variety of safety glass applications including furniture, flooring, wall cladding, partitions, signage, spandrel, aesthetic facades and other accent areas. Vanceva Ocean Grey is designed to be laminated on existing process equipment, with appropriate conditions. When properly laminated and installed, laminates with Vanceva Ocean Grey can be produced to meet or exceed architectural regulations for safety glazing applications. For more information about Vanceva Ocean Grey, please contact your Solutia representative.

Product Description

Product Name	Thickness	Color Code	Layer Code	Roll width (cm)	Roll length (m)	VT% (3mm glass)
Ocean Grey	0.38 mm	876100	H	122, 159, 246	400, 100, 30	61
				322	400	

NOTES: All in stock roll widths are available in 400m lengths in refrigerated form. Rolls of 30m length are available in stock and interleaved. Rolls of 100m length are available with 1 week manufacturing lead time. All rolls can be interleaved on demand. Lead time must be checked through your local sales representative.

The configuration as described below was calculated in Optics and Window 5.2 using standard NFRC-Window 5 conditions. Data reported in US standard units with metric units converted for convenience. Configuration tested 1/8 inch (3mm) Clear Glass - Vanceva® Ocean Grey #000H; 0.015 inch (0.38mm) - 1/8 inch (3mm) Clear Glass.

Optical and Thermal Properties

			US	SI
Solar Transmittance %	59	U factor Btu/hr-ft ² -F (W/m ² -K)	1.01	5.72
Reflectance Solar (front)	9	Shading Coefficient	0.79	0.79
Reflectance Solar (back)	9	Solar Heat Gain Coefficient (SHGC; g)	0.69	0.69
Visible Light Transmittance %	61	Relative Heat Gain Btu/hr-ft ² (W/m ²)	171	539
Visible Reflectance (front) %	9	*GST Outboard -0.4°F (-18°C)	13	-10
Visible Reflectance (back) %	9	*GST Inboard 69.8°F (21°C)	17	-9
Absorptance (Solar)	33	*GST Outboard 89.6°F (32°C)	101	39
Tdw-K	0.22	*GST Inboard 75.2°F (24°C)	102	39
Tdw-ISO	0.44	*GST = Glass Surface Temperature		
Tuv	<1%			

Color Properties

	Dom.	Purity	L*	a*	b*
Reflectance	0.48	2.80	82.45	-2.60	-1.64
Transmittance	0.48	4.49	35.11	-1.89	-1.49
Color Rendering Index (Transmittance)		95			
R (Transmittance)		198			
G (Transmittance)		207			
B (Transmittance)		207			
RAL Corresponding Color*		RAL 7000			
NCS Corresponding Color*		S-3005-B20G			
Pantone Corresponding Color*		5497C			

Vanceva Color Layering System

For layering purposes this interlayer color may be referenced as Vanceva Color System #000H.

Safety Performance

When properly designed, manufactured and installed, Vanceva Ocean Grey can be used to produce laminated glass that meets North American safety glazing regulations including CPSC 16 CFR 1201 Cat I and Cat II as well as ANSI Z97.1 Class A and Class B.

Durability

Vanceva Ocean Grey is produced with heat and light stable colorant system. Solutia has conducted accelerated and long-term natural exposure testing (4 years) that have confirmed the long term color and performance stability of our grey pigments.

Specialty Application

Vanceva Ocean Grey when layered with itself to make a 0.030 inch (0.76 mm) interlayer combination has a visible light transmittance in 1/8 in (3 mm) clear glass of 42%. This allows such a configuration to be used as Turtle Glazing in Florida while keeping the glazing a neutral color while meeting safety glazing requirements.

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