

# Vanceva® Absolute Black

Saflex, the world leader in protective interlayer for laminated glass, is proud to announce the newest offering to its Vanceva color system: Absolute Black (Product code: RB17 830000)

Expand your color products with Vanceva® Absolute Black. The newest addition to the Vanceva Color Studio, Absolute Black has excellent opacity and uniformed colored surface compared to any black glass product on the market. Compared to painted black glass, Absolute Black provides superior aesthetics and visual quality (no pinholes) plus the additional benefits only laminated glass offers. Absolute Black has a light transmittance level of 0% and is perfect for a variety of safety glass applications including furniture, flooring, wall cladding, partitions, spandrel and aesthetic facades.

Available in widths up to 3.2m, Absolute Black brings a unique aesthetic to any architectural project. With a completely opaque effect, the product is ideal for interior design applications. Use Vanceva Absolute Black in your next project for:

- > Partitions
- > Spandrel
- > Furniture
- > Flooring and Stairs
- > Wall cladding
- > Interior doors
- > Balconies
- > Hotels/Casinos
- > Kitchens and Baths

## Benefits for Laminators:

- > Batch to batch color consistency
- > Shorter lead times when compared to painted black glass
- > Compatibility with the Vanceva Color System

## Benefits for Architects:

- > Complete opacity
- > Uniformity of color
- > Complete range of colors

To learn more visit:

[www.vanceva.com/absoluteblack](http://www.vanceva.com/absoluteblack)

## Product Description

Product Name	Thickness	Color Code	Layer Code	Roll width (cm)	Roll length (m)	VT% (3mm glass)
Absolute Black	0.38 mm	830000	G	122, 159, 246	400, 200, 100, 30	0.00
				322	100	

NOTE: A selection of roll dimensions will be available from local stock. Other dimensions will have longer lead times for offline processing. Please check your local sales representative for more details on offering and lead times.

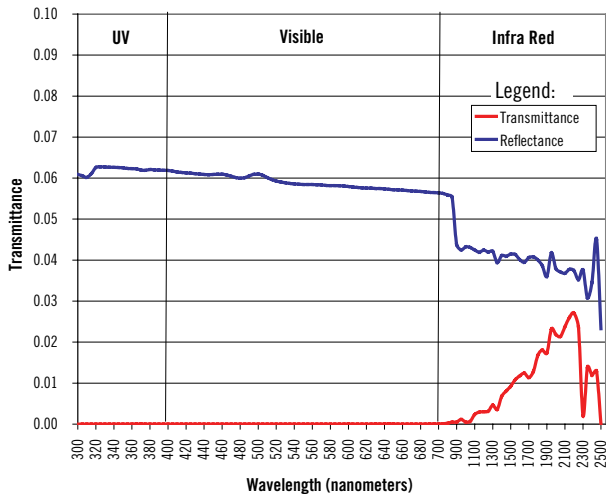
## Solar and Light Performance

Visible Light	Transmittance	Reflectance	Absorptance
EN 410/ ISO 9050	0	5	94

UV	Transmittance	Reflectance	Absorptance
EN 410	0	7	93
ISO 9050	0	7	93

Solar	Direct Transmittance	Direct Reflectance	Direct Absorptance	Solar Factor	Total Reflectance	Shading Coefficient
EN 410	0.2	5	94	25	75	0.28
ISO 9050 (air mass 1.5)	0.2	5	95	25	75	0.28

## Absolute Black Transmittance



## Color Properties

RAL Corresponding Color	RAL 9005
NCS Corresponding Color	CS S 8505 G80Y
Pantone Corresponding Color	Black C

For layering purposes this interlayer color may be referenced as Vanceva® Color System #000G (Layer G).

## General Technical Data

Technical Data	Property	Test method	Units	Test conditions	Absolute Black
Physical	Thickness	Micrometer	Mm	--	0.38
	Specific gravity	ASTM D792	gr/cm3	23°C	1.07
	Heat of Combustion	EN ISO 1716:2002	MJ/kg		31.41
	Durability	EN ISO 12543-4	--	--	Passed
	Poisson's Ratio				0.500
Mechanical	Tensile strength	JIS K6771	MPa	23°C/50%RH/ /200mm/min	22
			Kg/cm2		226
		ISO 527-3	MPa	23°C/50%RH/ /20mm/min	24
			Kg/cm2		244
	Elongation at failure	JIS K6771	%	23°C/50%RH/ /200mm/min	244
		ISO 527-3	%		266
Shear Storage Modulus	ASTM D 4065		50°C (122°F) @ 0.3 Hz	0.462	

## Safety and Security Performance

When properly designed, manufactured and installed, Vanceva Absolute Black can be used to produce laminated glass that meets the European safety regulations including Safety EN12600 and Security EN356.

## Durability

Vanceva Absolute Black is produced with a heat and light stable colorant system. Saflex has conducted accelerated and long-term natural exposure testing (2 years) that have confirmed the long term color and performance stability of our black pigments. Vanceva Absolute Black meets the European EN12543-4 regulation.

## Thermal Stress

Absolute Black interlayer has inherently high solar absorption capacity. The use of this product in external applications or applications that may be exposed to differential heat sources across the surface or through-out the laminate should consider the use of heat-strengthened or tempered glass to help reduce the risk of glass breakage due to thermal stress.

Although the information and recommendations set forth herein are presented in good faith, Eastman Chemical Company [include this where materials relate to Solutia products; and its wholly owned subsidiary Solutia, Inc.] make(s) no representations or warranties as to the completeness or accuracy thereof. You must make your own determination of its suitability and completeness for your own use, for the protection of the environment and for the health and safety of your employees and purchasers of your products. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent, and we make no representations or warranties, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.

Material Safety Data Sheets providing safety precautions that should be observed when handling and storing our products are available online or by request. You should obtain and review available material safety information before handling our products. If any materials mentioned are not our products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.