

Laminated Glass with Vanceva® #0002 interlayer
 Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated in OPTICSv6 and WINDOW 6.3 using standard NFRC/ASHRAE conditions.

Configuration:				
3 mm (1/8 inch) clear - Vanceva® #0002 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear				
Aquamarine				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	68	U factor W/m2-K(Btu/hr-ft2-F)	5.73	1.01
Reflectance Solar (front) %	7	Shading Coefficient	0.87	0.87
Reflectance Solar (back) %	7	Solar Heat Gain Coefficient (SHGC; g)	0.75	0.75
Visible Light Transmittance %	78	Relative Heat Gain W/m2 (Btu/hr-ft2)	589	187
Visible Reflectance (front) %	7	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	7	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar) %	25	GST Outboard 32°C (89.6°F)	37	98
Tdw-K	0.32	GST Inboard 24°C (75.2°F)	37	98
Tdw-ISO	0.60	Light to Solar Gain (LSG)	1.04	
Tuv %	<1	Effective Aperture	30%=0.022	80%=0.044

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.48	10.80	90.82	-11.40	-6.58
Reflectance	0.48	10.59	32.49	-3.27	-3.86
R (Transmittance)		197			
G (Transmittance)		236			
B (Transmittance)		239			
Color Rendering Index (Transmittance)		85			

Data reported in metric (SI) units with Inch Pound (IP) standard units calculated. GST: Glass surface temperatures - provided for inboard and outboard glass for conditions noted including standard wind conditions.

For specification purposes color consists of 1 Vanceva color layers and is referenced as Vanceva® Interlayer Color #0002.

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 Solar Pro VCV012216V1.3