

Laminated Glass with Vanceva® #S-6376 interlayer
Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated using LBNL OPTICS and WINDOW software with standard NFRC/ASHRAE conditions.

Configuration:				
3 mm (1/8 inch) clear glass - Vanceva® #S-6376 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear glass				
Vanceva® Earth Tone RB S-6376 Glacier (Blue)				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	70	U factor W/m2-K(Btu/hr-ft2-F)	5.74	1.01
Reflectance Solar (front)	7	Shading Coefficient	0.88	0.88
Reflectance Solar (back)	7	Solar Heat Gain Coefficient (SHGC; g)	0.77	0.77
Visible Light Transmittance %	74	Relative Heat Gain W/m2 (Btu/hr-ft2)	596	189
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)	24	GST Outboard 32°C (89.6°F)	36	97
Tdw-K	0.31	GST Inboard 24°C (75.2°F)	36	97
Tdw-ISO	0.59	Light to Solar Gain (LSG)	0.97	
Tuv	<1%	Effective Aperture	30%=0.022	80%=0.045

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.48	10.90	89.46	-9.28	-7.61
Reflectance	0.48	8.57	32.95	-3.00	-2.98
R (Transmittance)	197				
G (Transmittance)	231				
B (Transmittance)	237				
Color Rendering Index (Transmittance)	86				

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 Saflex and/or Vanceva color layers and is referenced as Vanceva® Interlayer Color #S-6376.

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