

Laminated Glass with Vanceva® #S-6452 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-6452 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear glass				
Vanceva® Earth Tone RB S-6452 Dolomite (Bronze)				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	53	U factor W/m2-K(Btu/hr-ft2-F)	5.74	1.01
Reflectance Solar (front)	6	Shading Coefficient	0.76	0.76
Reflectance Solar (back)	6	Solar Heat Gain Coefficient (SHGC; g)	0.66	0.66
Visible Light Transmittance %	53	Relative Heat Gain W/m2 (Btu/hr-ft2)	518	164
Visible Reflectance (front) %	6	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	6	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar)	41	GST Outboard 32°C (89.6°F)	41	105
Tdw-K	0.18	GST Inboard 24°C (75.2°F)	41	106
Tdw-ISO	0.36	Light to Solar Gain (LSG)	0.80	
Tuv	<1%	Effective Aperture	30%=0.018	80%=0.037

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.59	4.90	77.48	3.65	3.40
Reflectance	0.60	0.36	29.80	0.23	0.10
R (Transmittance)	201				
G (Transmittance)	189				
B (Transmittance)	184				
Color Rendering Index (Transmittance)	95				

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-6452.

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