

Laminated Glass with Vanceva® #S-0828 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-0828 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear glass				
Vanceva® Earth Tone RB S-0828 Graphite (Grey)				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	39	U factor W/m2-K(Btu/hr-ft2-F)	5.74	1.01
Reflectance Solar (front)	6	Shading Coefficient	0.65	0.65
Reflectance Solar (back)	5	Solar Heat Gain Coefficient (SHGC; g)	0.56	0.56
Visible Light Transmittance %	29	Relative Heat Gain W/m2 (Btu/hr-ft2)	449	143
Visible Reflectance (front) %	5	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	5	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar)	56	GST Outboard 32°C (89.6°F)	44	112
Tdw-K	0.12	GST Inboard 24°C (75.2°F)	45	112
Tdw-ISO	0.23	Light to Solar Gain (LSG)	0.52	
Tuv	<1%	Effective Aperture	30%=0.016	80%=0.032

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.48	8.90	61.07	-2.37	-6.11
Reflectance	0.47	2.57	27.81	-0.06	-1.15
R (Transmittance)		137			
G (Transmittance)		149			
B (Transmittance)		157			
Color Rendering Index (Transmittance)		90			

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-0828.

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