

**Laminated Glass with Vanceva® #S-6544 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.

<b>Configuration:</b>				
3 mm (1/8 inch) clear glass - Vanceva® #S-6544 ; 0.76 mm (0.030 inch) - 3 mm (1/8 inch) clear glass				
<b>Vanceva® Earth Tone   RB S-6544   Shale (Grey)</b>				
<b>Optical (%) and Thermal Properties</b>			<b>SI</b>	<b>IP</b>
Solar Transmittance %	50	U factor W/m2-K(Btu/hr-ft2-F)	5.68	1.00
Reflectance Solar (front)	6	Shading Coefficient	0.73	0.73
Reflectance Solar (back)	8	Solar Heat Gain Coefficient (SHGC; g)	0.64	0.64
Visible Light Transmittance %	46	Relative Heat Gain W/m2 (Btu/hr-ft2)	503	160
Visible Reflectance (front) %	6	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	10	GST Inboard 21°C (69.8°F)	-8	17
Absorptance (Solar)	44	GST Outboard 32°C (89.6°F)	42	107
Tdw-K	0.17	GST Inboard 24°C (75.2°F)	42	107
Tdw-ISO	0.34	Light to Solar Gain (LSG)	0.71	
Tuv	<1%	Effective Aperture	30%=0.018	80%=0.059

<b>Color Properties</b>	<b>Dom. WL</b>	<b>Purity</b>	<b>L*</b>	<b>a*</b>	<b>b*</b>
Transmittance	0.46	4.40	73.37	1.04	-4.52
Reflectance	0.47	2.97	29.22	-0.03	-1.27
<b>R</b> (Transmittance)		178			
<b>G</b> (Transmittance)		180			
<b>B</b> (Transmittance)		187			
Color Rendering Index (Transmittance)		96			

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 2 Saflex and/or Vanceva color layers and is referenced as Vanceva® Interlayer Color #S-6544.**

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