

**Laminated Glass with Vanceva® #S-6428 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-6428 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear glass				
<b>Vanceva® Earth Tone   RB S-6428   Gobi (Bronze)</b>				
<b>Optical (%) and Thermal Properties</b>			<b>SI</b>	<b>IP</b>
Solar Transmittance %	36	U factor W/m2-K(Btu/hr-ft2-F)	5.74	1.01
Reflectance Solar (front)	5	Shading Coefficient	0.63	0.63
Reflectance Solar (back)	5	Solar Heat Gain Coefficient (SHGC; g)	0.55	0.55
Visible Light Transmittance %	29	Relative Heat Gain W/m2 (Btu/hr-ft2)	436	138
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)	59	GST Outboard 32°C (89.6°F)	45	113
Tdw-K	0.09	GST Inboard 24°C (75.2°F)	46	114
Tdw-ISO	0.19	Light to Solar Gain (LSG)	0.53	
Tuv	<1%	Effective Aperture	30%=0.016	80%=0.032

<b>Color Properties</b>	<b>Dom. WL</b>	<b>Purity</b>	<b>L*</b>	<b>a*</b>	<b>b*</b>
Transmittance	0.59	9.80	60.53	7.42	5.30
Reflectance	0.56	0.60	27.82	0.21	-0.32
<b>R</b> (Transmittance)	163				
<b>G</b> (Transmittance)	141				
<b>B</b> (Transmittance)	136				
Color Rendering Index (Transmittance)	88				

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-6428.**

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Architectural Applications Technical Center  
730 Worcester Street | Springfield, MA 01151  
glazing@eastman.com | www.vanceva.com

