



## Architectural Technical Applications Center

### Laminated Glass with Vanceva #148A interlayer

#### Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated in Optics and Window 5.2 using standard NFRC/ASHRAE conditions.

Configuration:				
1/8 inch (3 mm) Clear Glass - Vanceva #148A ; 0.060 inch (1.52 mm) - 1/8 inch (3 mm) Clear Glass				
Sunflower				
Optical (%) and Thermal Properties			US	SI
Solar Transmittance %	0.51	U factor Btu/hr-ft <sup>2</sup> -F (W/m <sup>2</sup> -K)	0.98	5.57
Reflectance Solar (front)	0.06	Shading Coefficient	0.74	0.74
Reflectance Solar (back)	0.06	Solar Heat Gain Coefficient (SHGC; g)	0.64	0.64
Visible Light Transmittance %	0.60	Relative Heat Gain Btu/hr-ft <sup>2</sup> (W/m <sup>2</sup> )	160	504
Visible Reflectance (front) %	0.06	GST Outboard -0.4°F (-18°C)	13	-11
Visible Reflectance (back) %	0.06	GST Inboard 69.8°F (21°C)	18	-8
Absorptance (Solar)	0.44	GST Outboard 89.6°F (32°C)	106	41
Tdw-K	0.01	GST Inboard 75.2°F (24°C)	107	42
Tdw-ISO	0.17			
Tuv	<0.01			

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.58	17.11	29.71	1.90	6.63
Transmittance	0.57	85.00	80.30	0.37	88.41
Color Rendering Index (Transmittance)		51.76			
R (Transmittance)		238			
G (Transmittance)		196			
B (Transmittance)		0			

Data reported in US standard units with metric units in parentheses.

For layering purposes this interlayer color may be referenced as Vanceva® Color System #148A.

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730 Worcester Street, Springfield, MA 01151  
413.730.3413 (T)  
508.861.0127 (F)  
JCSCHI@Solutia.com (E)

