



**Architectural Technical Applications Center**

**Laminated Glass with Vanceva #6786 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 #6786 ; 0.060 inch (1.52 mm) - 1/8 inch (3 mm) Clear Glass				
Pacific Treasure				
Optical (%) and Thermal Properties			US	SI
Solar Transmittance %	0.30	U factor Btu/hr-ft <sup>2</sup> -F (W/m <sup>2</sup> -K)	0.98	5.57
Reflectance Solar (front)	0.05	Shading Coefficient	0.58	0.58
Reflectance Solar (back)	0.05	Solar Heat Gain Coefficient (SHGC; g)	0.50	0.51
Visible Light Transmittance %	0.19	Relative Heat Gain Btu/hr-ft <sup>2</sup> (W/m <sup>2</sup> )	129	406
Visible Reflectance (front) %	0.05	GST Outboard -0.4°F (-18°C)	13	-11
Visible Reflectance (back) %	0.05	GST Inboard 69.8°F (21°C)	18	-8
Absorptance (Solar)	0.65	GST Outboard 89.6°F (32°C)	116	47
Tdw-K	0.05	GST Inboard 75.2°F (24°C)	117	47
Tdw-ISO	0.13			
Tuv	<0.01			

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.49	4.97	25.84	-2.67	-0.86
Transmittance	0.49	42.70	51.97	-60.90	0.76
Color Rendering Index (Transmittance)		15.47			
R (Transmittance)		0			
G (Transmittance)		148			
B (Transmittance)		120			

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

For layering purposes this interlayer color may be referenced as Vanceva® Color System #6786.

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