



## Architectural Technical Applications Center

### Laminated Glass with Vanceva #7587 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 #7587 ; 0.060 inch (1.52 mm) - 1/8 inch (3 mm) Clear Glass				
Baked Clay				
Optical (%) and Thermal Properties			US	SI
Solar Transmittance %	0.27	U factor Btu/hr-ft <sup>2</sup> -F (W/m <sup>2</sup> -K)	0.98	5.56
Reflectance Solar (front)	0.05	Shading Coefficient	0.56	0.56
Reflectance Solar (back)	0.05	Solar Heat Gain Coefficient (SHGC; g)	0.48	0.49
Visible Light Transmittance %	0.16	Relative Heat Gain Btu/hr-ft <sup>2</sup> (W/m <sup>2</sup> )	125	394
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)	0.68	GST Outboard 89.6°F (32°C)	117	47
Tdw-K	0.02	GST Inboard 75.2°F (24°C)	119	48
Tdw-ISO	0.06			
Tuv	<0.01			

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.52	2.27	25.41	1.18	-0.52
Transmittance	0.59	56.10	45.66	29.43	28.27
Color Rendering Index (Transmittance)		42.76			
R (Transmittance)		164			
G (Transmittance)		87			
B (Transmittance)		62			

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

For layering purposes this interlayer color may be referenced as Vanceva® Color System #7587.

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