



Architectural Technical Applications Center

Laminated Glass with Vanceva #6666 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 #6666 ; 0.060 inch (1.52 mm) - 1/8 inch (3 mm) Clear Glass				
Caribbean Blue				
Optical (%) and Thermal Properties			US	SI
Solar Transmittance %	0.42	U factor Btu/hr-ft2-F (W/m2-K)	0.98	5.57
Reflectance Solar (front)	0.06	Shading Coefficient	0.68	0.68
Reflectance Solar (back)	0.06	Solar Heat Gain Coefficient (SHGC; g)	0.58	0.59
Visible Light Transmittance %	0.26	Relative Heat Gain Btu/hr-ft2 (W/m2)	147	463
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)	0.52	GST Outboard 89.6°F (32°C)	110	43
Tdw-K	0.17	GST Inboard 75.2°F (24°C)	111	44
Tdw-ISO	0.33			
Tuv	<0.01			

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.48	19.17	27.36	-4.37	-6.78
Transmittance	0.48	72.20	60.81	-53.30	-40.70
Color Rendering Index (Transmittance)		-7.43			
R (Transmittance)		0			
G (Transmittance)		173			
B (Transmittance)		216			

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

For layering purposes this interlayer color may be referenced as Vanceva® Color System #6666.

JCS052909.1

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