



Architectural Technical Applications Center

Laminated Glass with Vanceva #002C 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 #002C ; 0.030 inch (0.76 mm) - 1/8 inch (3 mm) Clear Glass				
Chic Raspberry				
Optical (%) and Thermal Properties			US	SI
Solar Transmittance %	0.32	U factor Btu/hr-ft ² -F (W/m ² -K)	1.00	5.68
Reflectance Solar (front)	0.05	Shading Coefficient	0.60	0.60
Reflectance Solar (back)	0.05	Solar Heat Gain Coefficient (SHGC; g)	0.51	0.52
Visible Light Transmittance %	0.05	Relative Heat Gain Btu/hr-ft ² (W/m ²)	132	416
Visible Reflectance (front) %	0.05	GST Outboard -0.4°F (-18°C)	13	-10
Visible Reflectance (back) %	0.05	GST Inboard 69.8°F (21°C)	17	-8
Absorptance (Solar)	0.63	GST Outboard 89.6°F (32°C)	115	46
Tdw-K	0.04	GST Inboard 75.2°F (24°C)	116	47
Tdw-ISO	0.07			
Tuv	<0.01			

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.53	2.93	25.33	1.49	-0.74
Transmittance	0.49	55.20	38.80	52.01	11.87
Color Rendering Index (Transmittance)		15.55			
R (Transmittance)		168			
G (Transmittance)		44			
B (Transmittance)		74			

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

For layering purposes this interlayer color may be referenced as Vanceva® Color System #002C.

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