

Laminated Glass with Vanceva® #000C interlayer
Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated in OPTICSv6 and WINDOW 6.3 using standard NFRC/ASHRAE conditions.

Configuration:				
3 mm (1/8 inch) clear - Vanceva® #000C ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear				
Deep Red				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	38	U factor W/m2-K(Btu/hr-ft2-F)	5.75	1.01
Reflectance Solar (front) %	6	Shading Coefficient	0.63	0.63
Reflectance Solar (back) %	6	Solar Heat Gain Coefficient (SHGC; g)	0.54	0.54
Visible Light Transmittance %	15	Relative Heat Gain W/m2 (Btu/hr-ft2)	438	139
Visible Reflectance (front) %	6	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	6	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar) %	56	GST Outboard 32°C (89.6°F)	41	106
Tdw-K	0.04	GST Inboard 24°C (75.2°F)	41	106
Tdw-ISO	0.08	Light to Solar Gain (LSG)	0.28	
Tuv %	<1	Effective Aperture	30%=0.017	80%=0.034

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.49	54.90	44.54	57.76	20.15
Reflectance	0.49	6.22	28.81	5.00	0.65
R (Transmittance)		194			
G (Transmittance)		50			
B (Transmittance)		74			
Color Rendering Index (Transmittance)		11			

Data reported in metric (SI) units with Inch Pound (IP) standard units calculated. GST: Glass surface temperatures - provided for inboard and outboard glass for conditions noted including standard wind conditions.

For specification purposes color consists of 1 Vanceva color layers and is referenced as Vanceva® Interlayer Color #000C.

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