

Laminated Glass with Vanceva® #000G 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® #000G ; 0.38 mm (0.015 inch) -				
3 mm (1/8 inch) clear				
Absolute Black				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	0	U factor W/m2-K(Btu/hr-ft2-F)	5.72	1.01
Reflectance Solar (front) %	5	Shading Coefficient	0.35	0.35
Reflectance Solar (back) %	5	Solar Heat Gain Coefficient (SHGC; g)	0.30	0.30
Visible Light Transmittance %	0	Relative Heat Gain W/m2 (Btu/hr-ft2)	262	83
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) %	95	GST Outboard 32°C (89.6°F)	40	105
Tdw-K	0.00	GST Inboard 24°C (75.2°F)	41	107
Tdw-ISO	0.00	Light to Solar Gain (LSG)	0.00	
Tuv %	<1	Effective Aperture	30%=0.018	80%=0.036

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.49	0.00	0.00	0.00	0.00
Reflectance	0.49	0.00	29.41	0.00	0.00
R (Transmittance)		0			
G (Transmittance)		0			
B (Transmittance)		0			
Color Rendering Index (Reflectance)		100			

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 #000G.

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 Solar Pro VCV012216V1.3