

Laminated Glass with Vanceva® #000E 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® #000E ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear				
Tangerine				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	54	U factor W/m2-K(Btu/hr-ft2-F)	5.75	1.01
Reflectance Solar (front) %	8	Shading Coefficient	0.75	0.75
Reflectance Solar (back) %	8	Solar Heat Gain Coefficient (SHGC; g)	0.65	0.65
Visible Light Transmittance %	41	Relative Heat Gain W/m2 (Btu/hr-ft2)	513	163
Visible Reflectance (front) %	8	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	8	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar) %	39	GST Outboard 32°C (89.6°F)	41	106
Tdw-K	0.01	GST Inboard 24°C (75.2°F)	49	119
Tdw-ISO	0.11	Light to Solar Gain (LSG)	0.64	
Tuv %	<1	Effective Aperture	30%=0.024	80%=0.047

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.58	89.40	68.75	35.81	82.60
Reflectance	0.59	14.87	33.62	6.96	5.30
R (Transmittance)		252			
G (Transmittance)		139			
B (Transmittance)		0			
Color Rendering Index (Transmittance)		31			

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 #000E.

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 Solar Pro VCV012216V1.3