

Laminated Glass with Vanceva® #0005 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® #0005 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear				
Ruby Red				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	62	U factor W/m2-K(Btu/hr-ft2-F)	5.72	1.01
Reflectance Solar (front) %	6	Shading Coefficient	0.83	0.83
Reflectance Solar (back) %	6	Solar Heat Gain Coefficient (SHGC; g)	0.72	0.72
Visible Light Transmittance %	48	Relative Heat Gain W/m2 (Btu/hr-ft2)	561	178
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) %	31	GST Outboard 32°C (89.6°F)	41	105
Tdw-K	0.23	GST Inboard 24°C (75.2°F)	38	101
Tdw-ISO	0.38	Light to Solar Gain (LSG)	0.67	
Tuv %	<1	Effective Aperture	30%=0.018	80%=0.036

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.50	33.90	74.37	48.04	-7.26
Reflectance	0.50	14.53	29.26	10.04	-1.43
R (Transmittance)		255			
G (Transmittance)		148			
B (Transmittance)		196			
Color Rendering Index (Transmittance)		64			

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 #0005.

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 Solar Pro VCV012216V1.3