

Laminated Glass with Vanceva® #0001 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® #0001 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear				
Coral Rose				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	70	U factor W/m ² -K(Btu/hr-ft ² -F)	5.73	1.01
Reflectance Solar (front) %	7	Shading Coefficient	0.88	0.88
Reflectance Solar (back) %	7	Solar Heat Gain Coefficient (SHGC; g)	0.77	0.77
Visible Light Transmittance %	76	Relative Heat Gain W/m ² (Btu/hr-ft ²)	597	190
Visible Reflectance (front) %	7	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	7	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar) %	24	GST Outboard 32°C (89.6°F)	45	113
Tdw-K	0.30	GST Inboard 24°C (75.2°F)	40	105
Tdw-ISO	0.56	Light to Solar Gain (LSG)	0.99	
Tuv %	<1	Effective Aperture	30%=0.022	80%=0.043

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.50	7.80	89.70	11.92	-2.69
Reflectance	0.54	6.49	32.62	3.69	-2.29
R (Transmittance)		246			
G (Transmittance)		218			
B (Transmittance)		229			
Color Rendering Index (Transmittance)		92			

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 #0001.

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730 Worcester Street | Springfield, MA 01151
 413.730.3413 | glazing@eastman.com



Prepared by: u212555
 Solar Pro VCV012216V1.3