

Laminated Glass with Saflex® S645200 interlayer
 Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated in Optics and Window 5.2/6.3 using standard NFRC/ASHRAE

Configuration:				
3 mm (1/8 inch) clear ~ Saflex® S645200 ; 0.76 mm (0.030 inch) ~ 3 mm (1/8 inch) clear				
Light Bronze				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	50	U factor W/m2-K (Btu/hr-ft2-F)	5.68	1.00
Reflectance Solar (front)	5	Shading Coefficient	0.73	
Reflectance Solar (back)	5	Solar Heat Gain Coefficient (SHGC; g)	0.64	
Visible Light Transmittance %	52	Relative Heat Gain W/m2 (Btu/hr-ft2)	501	159
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)	45	GST Outboard 32°C (89.6°F)	42	107
Tdw-K	0.15	GST Inboard 24°C (75.2°F)	42	107
Tdw-ISO	0.33	Light to Solar Gain (LSG)	0.81	
Tuv	<1%	Effective Aperture	30%=0.017	80%=0.361

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.58	7.20	76.92	3.00	5.35
Transmittance	0.59	1.19	28.55	0.51	0.37
Color Rendering Index (Transmittance)	95				
R (Transmittance)	200				
G (Transmittance)	188				
B (Transmittance)	179				

Data reported in metric units with US standard units calculated.

For layering purposes this interlayer color may be referenced as Saflex® Interlayer Color #S645200.

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