

Laminated Glass with Saflex® S555800 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® S555800 ; 0.38 mm (0.015 inch) ~ 3 mm (1/8 inch) clear				
Light Bronze				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	53	U factor W/m2-K (Btu/hr-ft2-F)	5.74	1.01
Reflectance Solar (front)	6	Shading Coefficient	0.75	
Reflectance Solar (back)	6	Solar Heat Gain Coefficient (SHGC; g)	0.66	
Visible Light Transmittance %	56	Relative Heat Gain W/m2 (Btu/hr-ft2)	515	163
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)	42	GST Outboard 32°C (89.6°F)	41	106
Tdw-K	0.19	GST Inboard 24°C (75.2°F)	41	106
Tdw-ISO	0.38	Light to Solar Gain (LSG)	0.85	
Tuv	<1%	Effective Aperture	30%=0.018	80%=0.334

Color Properties	Dom. WL	Purity	L*	a*	b*
Reflectance	0.58	4.40	79.34	2.82	3.21
Transmittance	0.49	0.68	29.09	0.52	0.02
Color Rendering Index (Transmittance)	96				
R (Transmittance)	205				
G (Transmittance)	195				
B (Transmittance)	189				

Data reported in metric units with US standard units calculated.

For layering purposes this interlayer color may be referenced as Saflex® Interlayer Color #S555800.

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