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

The configuration as described below was calculated using LBNL OPTICS and WINDOW software with standard NFRC/ASHRAE conditions.

Configuration:				
3 mm (0.125 inch) clear glass - Saflex® RB4N ; 0.76 mm (0.030 inch) - 3 mm (0.125 inch) clear glass				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	74	U factor W/m2-K(Btu/hr-ft2-F)	5.68	1.00
Reflectance Solar (front)	9	Shading Coefficient	0.91	0.91
Reflectance Solar (back)	9	Solar Heat Gain Coefficient (SHGC; g)	0.79	0.79
Visible Light Transmittance %	87	Relative Heat Gain W/m2 (Btu/hr-ft2)	612	194
Visible Reflectance (front) %	10	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	10	GST Inboard 21°C (69.8°F)	-8	17
Absorptance (Solar)	18	GST Outboard 32°C (89.6°F)	35	94
Tdw-K	0.31	GST Inboard 24°C (75.2°F)	35	94
Tdw-ISO	0.62	Light to Solar Gain (LSG)	1.11	
Tuv	<1%	Effective Aperture	30%=0.031	80%=0.062

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.50	0.60	94.90	-1.73	0.34
Reflectance	0.48	1.74	38.17	-0.99	-0.50
R (Transmittance)	237				
G (Transmittance)	242				
B (Transmittance)	238				
Color Rendering Index (Transmittance)	98				

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 layering purposes this interlayer color may be referenced as Saflex® RB4N Interlayer.

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