

PPG Industries Performance Glass Calculator Calculated *Center-of-Glass* Thermal and Optical Properties Based on NFRC 100-2001 Environmental Design Conditions

Details for Triple Glazing as Specified			
Outdoor Glass Lite	1/8" (3mm) Clear		
Outer Gas Cavity Dimension	5/8" (16mm)		
Fill For Outer Cavity	90% Argon/10% Air		
Middle Glass Lite	1/8" (3mm) Sungate 400 on Starphire (Surface #3)		
Inner Gas Cavity Dimension	5/8" (16mm)		
Fill For Inner Cavity	90% Argon/10% Air		
Indoor Glass Lite	1/4" (6mm) Sungate 400 on Starphire (Surface #5)		
Calculated Thermal and Optical Properties			
Shading Coefficient	0.69		
Solar Heat Gain Coefficient	0.60		
U-Values (K-Values)	Metric (Kcal/hr/m²/C)	Metric (W/m²/C)	English (BTU/hr/ft²/F)
Winter Nighttime	0.71	0.82	0.14
Summer Daytime	0.67	0.78	0.14
Relative Heat Gain	Metric (Kcal/hr/m²) 378	Metric (W/m²) 440	English (BTU/hr.ft²) 139
LSG (Light to Solar Gain Ratio)	1.18		
Transmittance (%)			
Visible	71		
Ultraviolet / Krochman Damage Weighted	18 / 33		
Total Solar Energy	49		
Reflectance (%)			
Visible (Out)	19		
Visible (In)	17		
Total Solar Energy (Out)	23		
Color Properties	L*	a*	b*
Transmittance	87.23	-1.65	2.18
Reflectance	50.88	-2.25	-4.24
While PPG believes this calculated performance data to be reasonably accurate, it may not			

**precisely agree with similar performance data calculated using the LBL Window 5.2 program.
PPG's published data is based on the LBL Window 5.2 program.**