

Solar Gard[®] Solar Control Window Films

Sentinel[™] Plus Stainless Steel 45

OSW
Exterior
Film

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	46	42
Re/Ri (%)	Reflectance Exterior/Interior	15/12	17/18
GL (%)	Glare Reduction	48	48

Solar Energy

TR (%)	Transmittance	43	35
A (%)	Absorptance	43	49
R (%)	Reflectance	14	16
IR (%)	IR Rejection 780 to 2500nm	75	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,55	0,52
G	Solar Heat Gain Coefficient (G-value)	0,72	0,45
SSI	Solar Selectivity Index (VLT/SHGC)	0,84	0,81
TSER (%)	Total Solar Energy Rejected	45	55
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	53	-
SHGR (%)	Solar Heat Gain Reduction	35	39

E	Emissivity	0,88	
U (W/m ² K)	Winter U-Factor (W/m ² °C)	5,88	2,72
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	31	28
FR (%)	Fade Reduction Factor	64	62

Physical Properties

Tnom / T(μm)	Thickness Nominal / Overall	50/75
TS - kg/cm ²	Tensile strength	2100 kg
EPD	Environmental Product Declaration	YES