

Solar Gard® Solar Control Window Films

Sentinel™ Plus Silver 35



Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	34	31
Re/Ri (%)	Reflectance Exterior/Interior	41/37	42/39
GL (%)	Glare Reduction	62	61

Solar Energy

TR (%)	Transmittance	25	21
A (%)	Absorptance	29	33
R (%)	Reflectance	46	46
IR (%)	IR Rejection 780 to 2500nm	92	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,39	0,31
G	Solar Heat Gain Coefficient (G-value)	0,33	0,27
SSI	Solar Selectivity Index (VLT/SHGC)	0,87	0,99
TSER (%)	Total Solar Energy Rejected	67	73
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	70	-
SHGR (%)	Solar Heat Gain Reduction	61	63

E	Emissivity	0,84	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,86	2,71
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	27	24
FR (%)	Fade Reduction Factor	68	68

Physical Properties

Tnom / T(μm)	Thickness Nominal / Overall	50/75
TS - kg/cm²	Tensile strength	2100 kg
EPD	Environmental Product Declaration	YES