

Solar Gard[®] Solar Control Window Films

Sentinel[™] Plus Silver 20



Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	16	15
Re/Ri (%)	Reflectance Exterior/Interior	61/57	62/57
GL (%)	Glare Reduction	82	82

Solar Energy

TR (%)	Transmittance	11	10
A (%)	Absorptance	25	26
R (%)	Reflectance	64	64
IR (%)	IR Rejection 780 to 2500nm	96	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,21	0,16
G	Solar Heat Gain Coefficient (G-value)	0,18	0,14
SSI	Solar Selectivity Index (VLT/SHGC)	0,74	0,91
TSER (%)	Total Solar Energy Rejected	82	86
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	84	-
SHGR (%)	Solar Heat Gain Reduction	78	81

E	Emissivity	0,84	
U (W/m ² K)	Winter U-Factor (W/m ² °C)	5,86	2,71
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	13	13
FR (%)	Fade Reduction Factor	85	82

Physical Properties

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