

Solar Gard® Solar Control Window Films

Sentinel™ Plus Stainless Steel 15



Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	13	12
Re/Ri (%)	Reflectance Exterior/Interior	40/36	40/-
GL (%)	Glare Reduction	85	85

Solar Energy

TR (%)	Transmittance	13	11
A (%)	Absorptance	49	51
R (%)	Reflectance	38	38
IR (%)	IR Rejection 780 to 2500nm	92	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,32	0,23
G	Solar Heat Gain Coefficient (G-value)	0,27	0,19
SSI	Solar Selectivity Index (VLT/SHGC)	0,41	0,54
TSER (%)	Total Solar Energy Rejected	73	81
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	78	-
SHGR (%)	Solar Heat Gain Reduction	68	74

E	Emissivity	0,83	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,87	2,71
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	4	8
FR (%)	Fade Reduction Factor	89	89

Physical Properties

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