

Solar Gard® Solar Control Window Films

Silver 20

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	16	15
Re/Ri (%)	Reflectance Exterior/Interior	58/58	58/59
GL (%)	Glare Reduction	82	81

Solar Energy

TR (%)	Transmittance	11	10
A (%)	Absorptance	39	47
R (%)	Reflectance	50	43
IR (%)	IR Rejection 780 to 2500nm	82	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,25	0,36
G	Solar Heat Gain Coefficient (G-value)	0,22	0,31
SSI	Solar Selectivity Index (VLT/SHGC)	0,64	0,42
TSER (%)	Total Solar Energy Rejected	78	69
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	82	-
SHGR (%)	Solar Heat Gain Reduction	74	58

E	Emissivity	0,70	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,45	2,60
U Red (%)	Winter Heat Loss Reduction	7	4
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	14	13
FR (%)	Fade Reduction Factor	84	82

Physical Properties

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