

Solar Gard® Solar Control Window Films

Silver 50

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	53	48
Re/Ri (%)	Reflectance Exterior/Interior	23/22	27/24
GL (%)	Glare Reduction	41	40

Solar Energy

TR (%)	Transmittance	38	33
A (%)	Absorptance	39	44
R (%)	Reflectance	23	23
IR (%)	IR Rejection 780 to 2500nm	75	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,57	0,62
G	Solar Heat Gain Coefficient (G-value)	0,49	0,54
SSI	Solar Selectivity Index (VLT/SHGC)	1,06	0,9
TSER (%)	Total Solar Energy Rejected	51	46
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	57	-
SHGR (%)	Solar Heat Gain Reduction	41	27

E	Emissivity	0,77	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,67	2,66
U Red (%)	Winter Heat Loss Reduction	3	2
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	40	37
FR (%)	Fade Reduction Factor	53	50

Physical Properties

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