



Solar Gard® Solar Control Window Films

Sterling 40

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	41	38
Re/Ri (%)	Reflectance Exterior/Interior	33/30	36/31
GL (%)	Glare Reduction	54	53

Solar Energy

TR (%)	Transmittance	27	24
A (%)	Absorptance	36	44
R (%)	Reflectance	37	32
IR (%)	IR Rejection 780 to 2500nm	87	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,43	0,50
G	Solar Heat Gain Coefficient (G-value)	0,37	0,43
SSI	Solar Selectivity Index (VLT/SHGC)	1,11	0,75
TSER (%)	Total Solar Energy Rejected	63	57
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	68	-
SHGR (%)	Solar Heat Gain Reduction	56	42

E	Emissivity	0,68	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,39	2,58
U Red (%)	Winter Heat Loss Reduction	8	4
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	33	30
FR (%)	Fade Reduction Factor	61	59

Physical Properties

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

