



Solar Gard® Solar Control Window Films

# Sterling 50

## Performance Results

4 mm      4/12/4 mm

### Visible Light

TR (%)	Transmittance	49	45
Re/Ri (%)	Reflectance Exterior/Interior	26/24	30/26
GL (%)	Glare Reduction	45	44

### Solar Energy

TR (%)	Transmittance	34	29
A (%)	Absorptance	35	43
R (%)	Reflectance	31	28
IR (%)	IR Rejection 780 to 2500nm	82	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,51	0,56
G	Solar Heat Gain Coefficient (G-value)	0,44	0,48
SSI	Solar Selectivity Index (VLT/SHGC)	1,13	0,81
TSER (%)	Total Solar Energy Rejected	56	51
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	62	-
SHGR (%)	Solar Heat Gain Reduction	48	44

E	Emissivity	0,69	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,43	2,59
U Red (%)	Winter Heat Loss Reduction	7	4
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	38	35
FR (%)	Fade Reduction Factor	55	53

## Physical Properties

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

