

Solar Gard® Solar Control Window Films

Silver AG 50 Low-E

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	51	47
Re/Ri (%)	Reflectance Exterior/Interior	23/27	28/29
GL (%)	Glare Reduction	43	43

Solar Energy

TR (%)	Transmittance	36	32
A (%)	Absorptance	37	40
R (%)	Reflectance	27	28
IR (%)	IR Rejection 780 to 2500nm	83	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
G	Solar Heat Gain Coefficient (G-value)	0,42	0,49
SSI	Solar Selectivity Index (VLT/SHGC)	1,20	0,96
TSER (%)	Total Solar Energy Rejected	58	51
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	63	-
SHGR (%)	Solar Heat Gain Reduction	51	37

E	Emissivity	0,37	
U (W/m²K)	Winter U-Factor (W/m²°C)	4,40	2,40
U Red (%)	Winter Heat Loss Reduction	24	14
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	39	35
FR (%)	Fade Reduction Factor	54	53

Physical Properties

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