

Solar Gard® Solar Control Window Films

Stainless Steel 20

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	24	22
Re/Ri (%)	Reflectance Exterior/Interior	28/25	31/26
GL (%)	Glare Reduction	74	73

Solar Energy

TR (%)	Transmittance	21	18
A (%)	Absorptance	56	59
R (%)	Reflectance	23	23
IR (%)	IR Rejection 780 to 2500nm	78	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,44	0,57
G	Solar Heat Gain Coefficient (G-value)	0,38	0,49
SSI	Solar Selectivity Index (VLT/SHGC)	0,53	0,38
TSER (%)	Total Solar Energy Rejected	62	51
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	67	-
SHGR (%)	Solar Heat Gain Reduction	55	34

E	Emissivity	0,84	
U (W/m ² K)	Winter U-Factor (W/m ² °C)	5,87	2,71
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	16	15
FR (%)	Fade Reduction Factor	81	80

Physical Properties

Tnom / T(μm)	Thickness Nominal / Overall	50/75
TS - kg/cm ²	Tensile strength	2100 kg
EPD	Environmental Product Declaration	YES