

Solar Gard® Solar Control Window Films

# Sentinel™ Plus Stainless Steel 40



## Performance Results

4 mm      4/12/4 mm

### Visible Light

TR (%)	Transmittance	39	35
Re/Ri (%)	Reflectance Exterior/Interior	18/15	19/21
GL (%)	Glare Reduction	57	57

### Solar Energy

TR (%)	Transmittance	36	30
A (%)	Absorptance	46	51
R (%)	Reflectance	18	19
IR (%)	IR Rejection 780 to 2500nm	79	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,58	0,46
G	Solar Heat Gain Coefficient (G-value)	0,50	0,39
SSI	Solar Selectivity Index (VLT/SHGC)	0,67	0,77
TSER (%)	Total Solar Energy Rejected	50	61
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	58	-
SHGR (%)	Solar Heat Gain Reduction	41	47

E	Emissivity	0,87	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,88	2,72
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	26	24
FR (%)	Fade Reduction Factor	69	68

## Physical Properties

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