

Solar Gard® Solar Control Window Films

# Sentinel™ Plus SX 50



## Performance Results

4 mm      4/12/4 mm

### Visible Light

TR (%)	Transmittance	48	44
Re/Ri (%)	Reflectance Exterior/Interior	27/25	29/28
GL (%)	Glare Reduction	47	46

### Solar Energy

TR (%)	Transmittance	35	29
A (%)	Absorptance	32	37
R (%)	Reflectance	33	34
IR (%)	IR Rejection 780 to 2500nm	78	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,52	0,42
G	Solar Heat Gain Coefficient (G-value)	0,44	0,37
SSI	Solar Selectivity Index (VLT/SHGC)	1,08	1,19
TSER (%)	Total Solar Energy Rejected	56	63
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	61	-
SHGR (%)	Solar Heat Gain Reduction	47	50

E	Emissivity	0,78	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,86	2,71
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	36	33
FR (%)	Fade Reduction Factor	58	55

## Physical Properties

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