

Solar Gard® Solar Control Window Films

# Sterling 20

## Performance Results

4 mm      4/12/4 mm

### Visible Light

TR (%)	Transmittance	23	21
Re/Ri (%)	Reflectance Exterior/Interior	45/42	46/43
GL (%)	Glare Reduction	75	74

### Solar Energy

TR (%)	Transmittance	15	13
A (%)	Absorptance	39	48
R (%)	Reflectance	46	39
IR (%)	IR Rejection 780 to 2500nm	94	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,29	0,40
G	Solar Heat Gain Coefficient (G-value)	0,25	0,35
SSI	Solar Selectivity Index (VLT/SHGC)	0,90	0,53
TSER (%)	Total Solar Energy Rejected	75	66
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	79	-
SHGR (%)	Solar Heat Gain Reduction	70	54

E	Emissivity	0,67	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,36	2,57
U Red (%)	Winter Heat Loss Reduction	8	4
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	19	17
FR (%)	Fade Reduction Factor	78	77

## Physical Properties

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