SUNGUARD
WINDOW FILMS

SPECIFICATION.

WINDOW FILM TYPE: SILVER REFLECTIVE 50 - LIGHT

SILVER REFLECTIVE.

Sunguard Reflective Window Film range consists of solar control and privacy window films with a reflective appearance. Used where both high levels of heat and glare reduction are essential. Rejects up to 51% of solar energy, helping reduce heat build-up, and energy costs, increasing occupant comfort. Rejects up to 41% of glare. Reduction of hot spots helps increase HVAC efficiency and lower energy costs. Shields 99% of UV radiation, helping to reduce fading of valuables, fabrics and furnishings. Constructed with a durable scratch resistant coating for easy cleaning.

PHYSICAL PROPERTIES NOMINAL.

Nom. Thickness: 50 microns
Tensile strength: 2,100 kg/cm2
Melting point: 260 – 265°C

*Infrared rejection = 1 - average unweighted transmittance using ASTM E 903.

**Tdw-ISO is the percentage of transmitted light that causes fading. A lower number means more protection against fading.

All window films meet classification B-S1,d0 (tests acc to SBI EN13823) and class M1 (tests acc.to NF P 92-501).

SOLAR ENERGY REJECTED. UP TO:	GLARE REDUCTION. UP TO:	UV REJECTED. UP TO
51%	41%	99%

PERFORMANCE PARAMETERS FOR DIFFERENT WINDOW TYPES	4MM SINGLE CLEAR		4/12/4MM DOUBLE CLEAR	
	NO FILM	WITH FILM	NO FILM	WITH FILM
SOLAR ENERGY.				
Solar heat gain coefficient (G-value)	.87	.49	.77	.55
Solar heat gain reduction %	0	44	0	29
Total solar energy rejected %	13	51	23	45
Infrared rejection @780 - 2500 nm %*	17	58	17	52
Light to solar heat gain ratio (VLT/SHGC)	1.04	1.08	1.05	.88
Transmittance %	85	41	73	36
Absorptance %	7	36	14	39
Reflectance %	8	23	13	25
VISIBLE LIGHT.				
Transmittance %	90	53	82	49
Reflectance exterior %	8	23	15	27
Reflectance interior %	8	22	15	24
Glare reduction %	0	41	0	41
THERMAL ENERGY.				
Emissivity	.84	.77	.84	.77
Winter U-factor (W/m 2°C)	5.8	5.6	2.8	2.8
ULTRAVIOLET LIGHT.				
Blocked @300 to 380 nm %	36	>99	51	>99
FADE CONTROL.				
Fade control UV Tdw-ISO @300 - 700 nm %**	85	40	74	37
Fade reduction %	0	53	0	50

FILM PERFORMANCE. (4MM SINGLE CLEAR)