SUNGUARD
WINDOW FILMS

SPECIFICATION.

WINDOW FILM TYPE: GREY NEUTRAL 70 - VERY LIGHT

GREY NEUTRAL.

Sunguard Neutral Window Film range consists of solar control and privacy window films with a grey neutral appearance. Used where both moderate levels of heat and glare reduction are essential. Rejects up to 35% of solar energy, helping reduce heat build-up, and energy costs, increasing occupant comfort. Rejects up to 17% 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
35%	17%	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	.66	.77	.65
Solar heat gain reduction %	0	24	0	16
Total solar energy rejected %	13	34	23	35
Infrared rejection @780 - 2500 nm %*	17	42	17	42
Light to solar heat gain ratio (VLT/SHGC)	1.04	1.14	1.05	1.04
Transmittance %	85	60	73	53
Absorptance %	7	24	14	28
Reflectance %	8	16	13	19
VISIBLE LIGHT.				
Transmittance %	90	75	82	68
Reflectance exterior %	8	13	15	18
Reflectance interior %	8	12	15	17
Glare reduction %	0	17	0	17
THERMAL ENERGY.				
Emissivity	.84	.80	.84	.80
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	52	74	47
Fade reduction %	0	39	0	36

FILM PERFORMANCE. (4MM SINGLE CLEAR)