



# SUNGUARD

WINDOW FILMS

# SPECIFICATION.

WINDOW FILM TYPE: FROSTED - OPAQUE

### SILVER REFLECTIVE.

Sunguard Frosted Window Film range can be used to create private spaces that feel open and airy. Frosted and translucent window films ensure privacy without sacrificing natural light. They are ideal for commercial interior glazing such as office partitions, or to meet interior design goals at a fraction of a cost of etched glass. Constructed with a durable scratch resistant coating for easy cleaning.

### PHYSICAL PROPERTIES NOMINAL.

Nom. Thickness: 50 microns  
Tensile strength: 2,100 kg/cm<sup>2</sup>  
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:	VISIBLE LIGHT TRANSMITTANCE.	UV REJECTED. UP TO
45%	82%	99%

### PERFORMANCE PARAMETERS FOR DIFFERENT WINDOW TYPES

	4MM SINGLE CLEAR		4/12/4MM DOUBLE CLEAR	
	NO FILM	WITH FILM	NO FILM	WITH FILM
<b>SOLAR ENERGY.</b>				
Solar heat gain coefficient (G-value)	.87	.55	.77	.56
Solar heat gain reduction %	0	37	0	28
Total solar energy rejected %	13	45	23	44
Infrared rejection @780 - 2500 nm %*	17	43	17	43
Light to solar heat gain ratio (VLT/SHGC)	1.04	.91	1.05	.83
Transmittance %	85	50	73	42
Absorptance %	7	28	14	36
Reflectance %	8	22	13	22
<b>VISIBLE LIGHT.</b>				
Transmittance %	90	50	82	46
Reflectance exterior %	8	31	15	34
Reflectance interior %	8	35	15	37
Glare reduction %	0	44	0	43
<b>THERMAL ENERGY.</b>				
Emissivity	.84	.84	.84	.84
Winter U-factor (W/m <sup>2</sup> °C)	5.8	5.8	2.8	2.8
<b>ULTRAVIOLET LIGHT.</b>				
Blocked @300 to 380 nm %	36	>99	51	>99
<b>FADE CONTROL.</b>				
Fade control UV Tdw-ISO @300 - 700 nm %**	85	46	74	41
Fade reduction %	0	46	0	45

### FILM PERFORMANCE. (4MM SINGLE CLEAR)

