

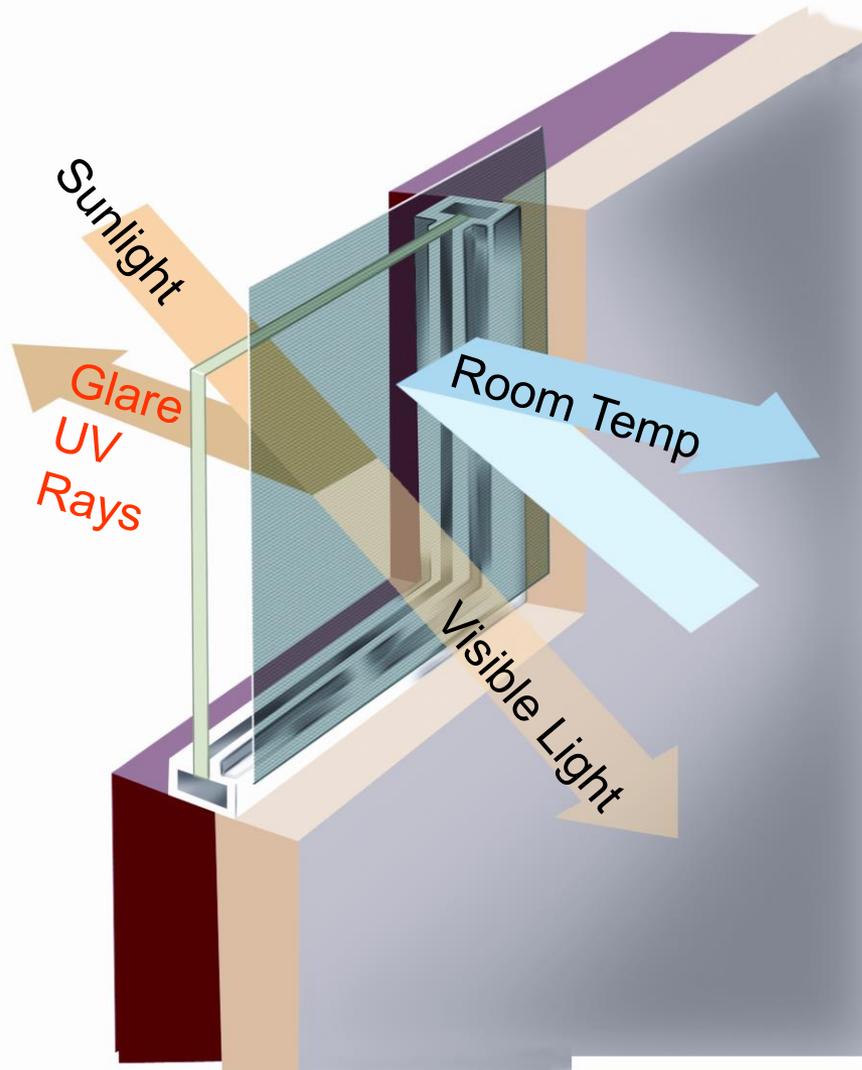
十八鄉鄉事委員會公益社小學
SPH RURAL COMMITTEE KUNG
YIK SHE PRI SCH

Solar Control Film

Prepared by Suntint Ltd, 2009

Date: 25 Sep 09

A. Solar Control Film:



Customer's Existing Problem

Existing Clear glass have high transparency, allow most of heat (over 80%) transmitted into classroom.

Over 80% electricity cost was spending on the air-condition.

Heavy loading of air-condition electricity cost

UV rays increase the chance of Skin Cancer & finishing's fading

On-site Testing



Without Film

Solar Power =
208 BTU/ (Hr sqFt)

Install Film

Solar Power =
40 BTU/ (Hr sqFt)



Location of window (Classroom 1-7/F, General Office & Staff room)



Location	Width"	Height"	Unit	Area (Sq)
G-1/F	270	76	10	1,425
	108	76	2	114
2-7/F	270	60	25	2,813
	108	60	5	225
Corridor 1-7/F	154	42	7	314

Location of window (Hall 4/F & Entrance G/F)



Location	Width"	Height"	Unit	Area (Sq)
Hall	20	80	16	178
	118	144	8	944
Entrance Window	37	55	50	707

Benefits

Reduce cooling cost **10%-15%** annually.

Reject sun's harmful **Ultraviolet (UV)** rays,
Health Protection

Reduce Electricity Cost by rejected up to
80% Solar energy

Reduce Fading by **UV** rays Blocked

Helps Keep Broken Glass In Place;
Reduce Chances of Injury