

聖公會榮真小學

**SKH WING CHUN PRIMARY
SCHOOL**

Solar Control Film

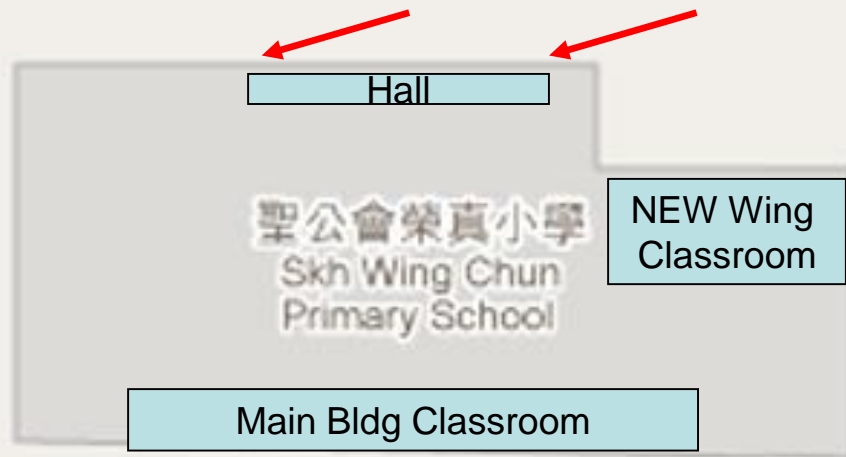
prepared by Suntint Ltd, 2010

Date: 17 Mar 2011

Location of window / Time of daily sunlight



Direction NE
Sunlight:
8:am -11am



Direction: SW
Sunlight:
2:pm-5pm



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Solar Heat Gain

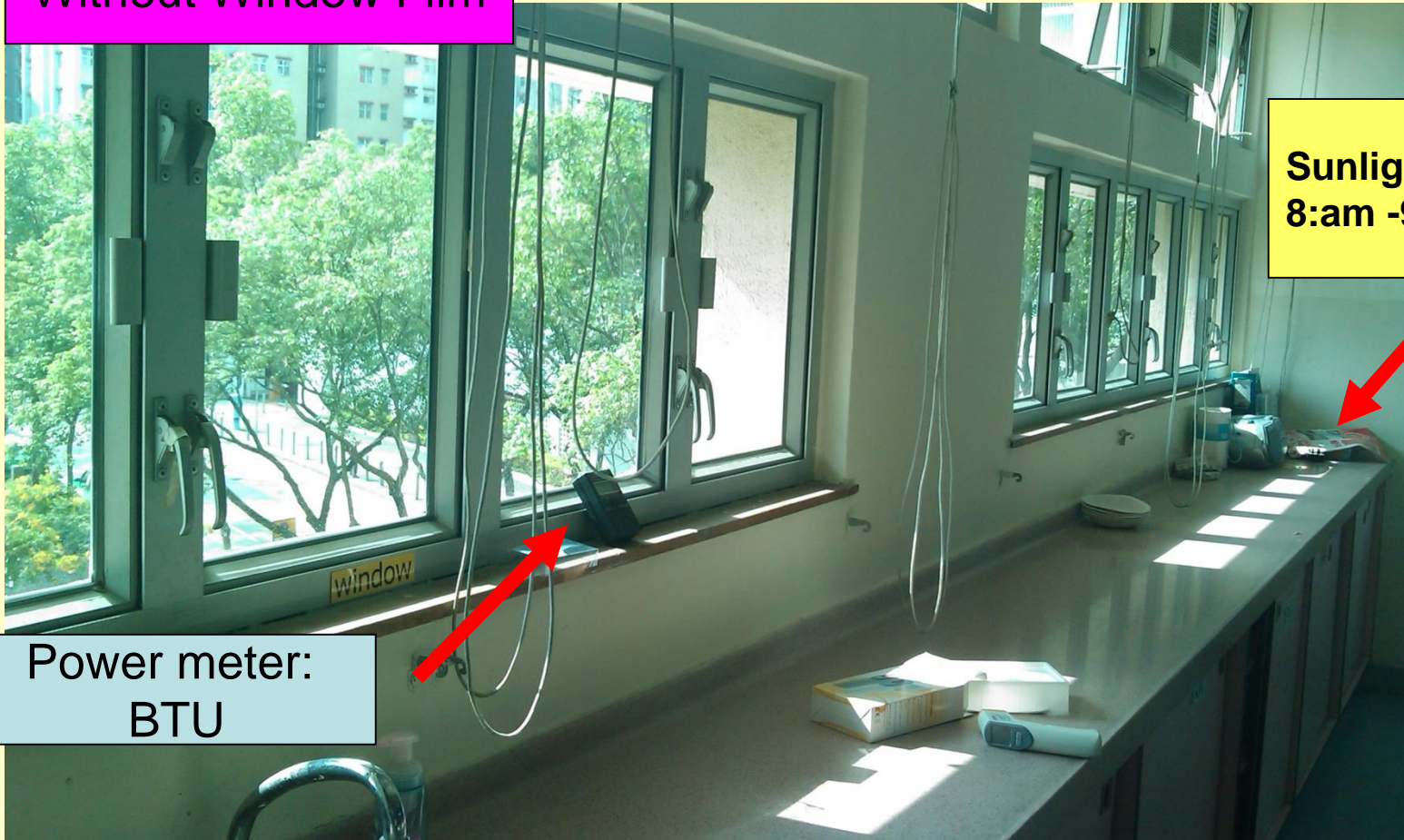


Solar Heat Test: *Before VS* After Solar Film install

Without Window Film

Sunlight:
8:am -9am

Power meter:
BTU

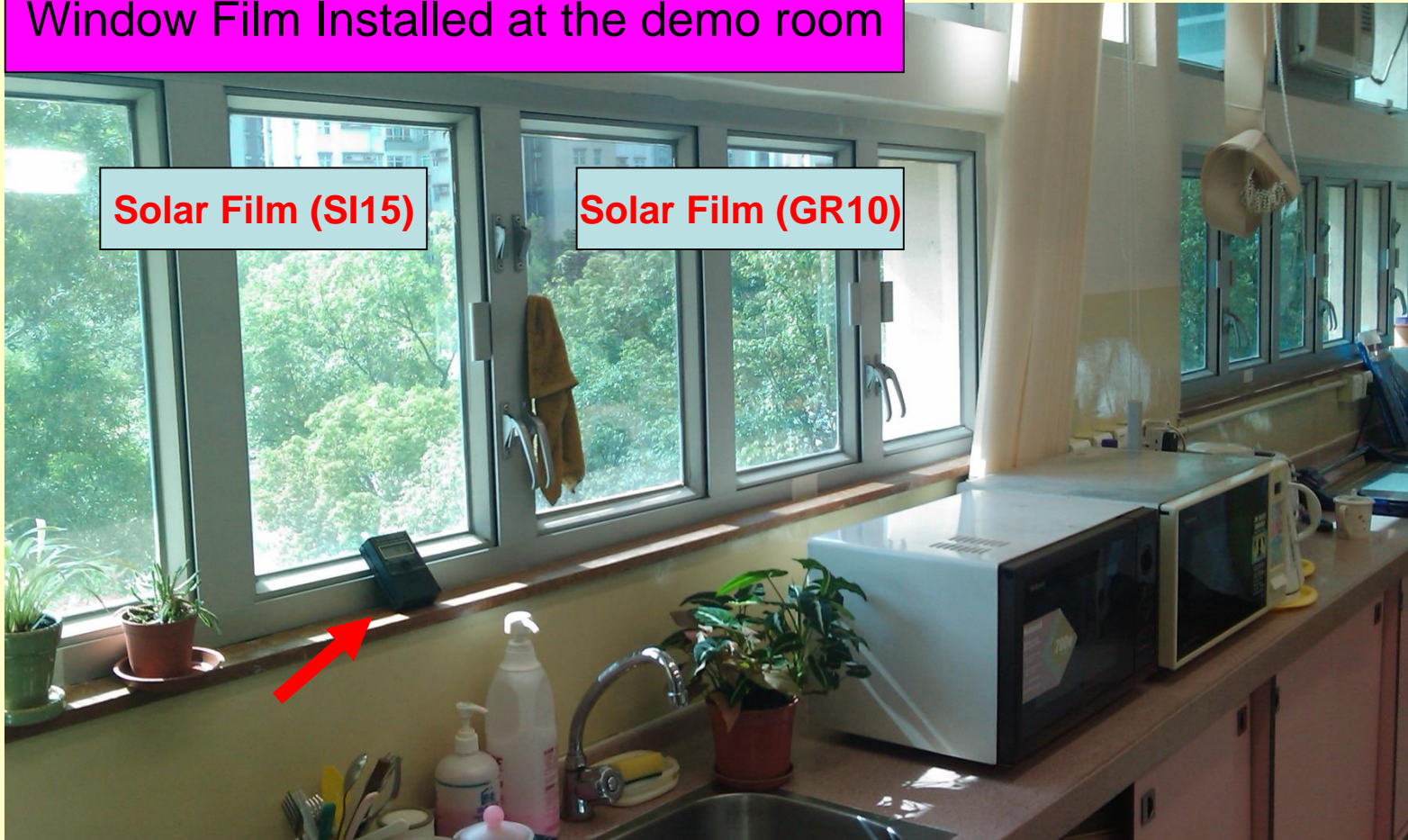


Solar Heat Test: *Before VS* After Solar Film install

Window Film Installed at the demo room

Solar Film (SI15)

Solar Film (GR10)



Solar Heat Test: *Before VS* After Solar Film install



Clear Window
Power meter:
182 BTU



Solar Film (SI15)
Power meter:
46 BTU

Total Energy Rejected:
74.7%



Solar Film (GR10)
Power meter:
37 BTU

Total Energy Rejected:
79.7%

Location of window (**SW**, Main Bldg, Classroom, 2-6/F)



Total Area:
2,220 SqFt

Location	Width"	Height"	Unit	Area (Sq)
Classroom 2-6/F	130	60	40	2,167
1/F, Social Worker RM	380	20	1	53

Location of window (NE, New Wing)



Total Area:
1,308 SqFt

Location	Width"	Height"	Unit	Area (Sq)
2-6/F	104	45	24	780
1/F&7/F	130	65	9	528

Location of window (NE, Hall, G/F)



Location	Width"	Height"	Unit	Area (Sq)
Hall	136	90	4	340
	93	32	4	83
G/F	48	23	9	69

Total Area:
492 SqFt

Location of window (陶藝& 加輔室)



Total Area:
136 SqFt

Total Window Area

Total Window Film Area:

4,156 SqFt

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