

聖公會榮真小學

SKH WING CHUN PRIMARY SCH

Roof Heat Rejected Coating – *Test Report*

Prepared by Suntint Ltd, 2012
Date: 18 Sep 2012

Roof Heat Rejected Coating:



Location of School (Roof)

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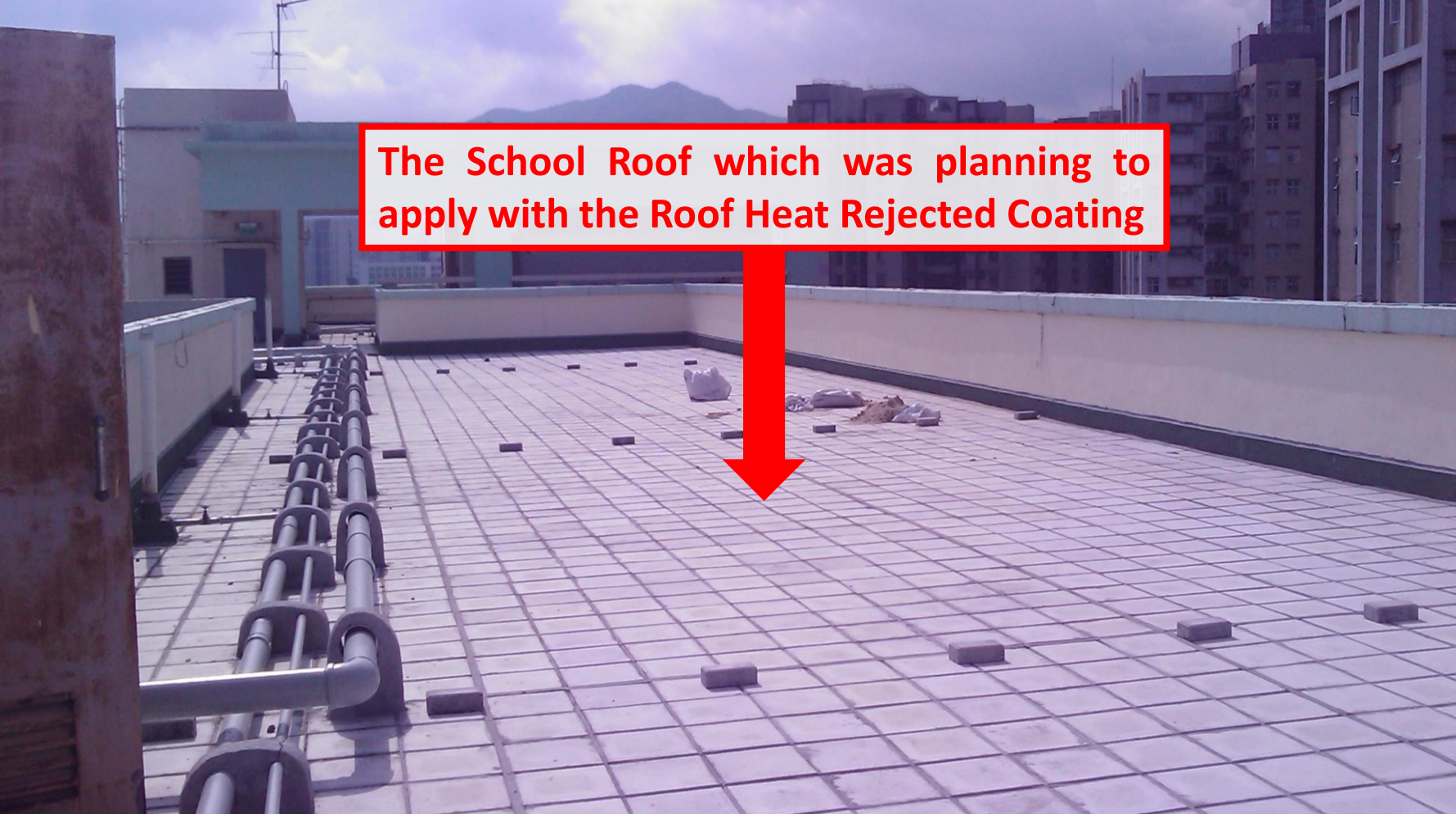


聖公會榮真小學
SKH Wing Chun
Primary School

Roof Heat Rejected Coating (continue...)

Location: Ceiling of the top floor

Aim: To reduce the room temp. of classrooms at the top floor of school from 28.5°C to 25°C

A photograph of a school rooftop. The roof is covered with a grid of solar panels. A red arrow points from a text box to the roof. The text box contains the text: "The School Roof which was planning to apply with the Roof Heat Rejected Coating".

The School Roof which was planning to apply with the Roof Heat Rejected Coating

Roof Heat Rejected Coating (continue...)

Temp. Test: **Before** heat rejected coating applied

Time: 18 May 2010, Morning

Location: School Roof

Temperature Recorded: 36°C



Roof Heat Rejected Coating (continue...)

Temp. Test: **Before** heat rejected coating applied

Time: 18 May 2010, Morning

Location: Ceiling of the top floor

Temperature Recorded: 28.5°C



Roof Heat Rejected Coating (continue...)

Temp. Test: **After heat rejected coating applied**

Time: 18 April 2012, Morning

Location: School Roof

Temperature Recorded: 24.5°C (coated) , 26 °C (uncoated)



Roof Heat Rejected Coating (continue...)

Temp. Test: **After** heat rejected coating applied

Time: 18 April 2012, Morning

Location: Ceiling of the top floor

Temperature Recorded: 24.5°C

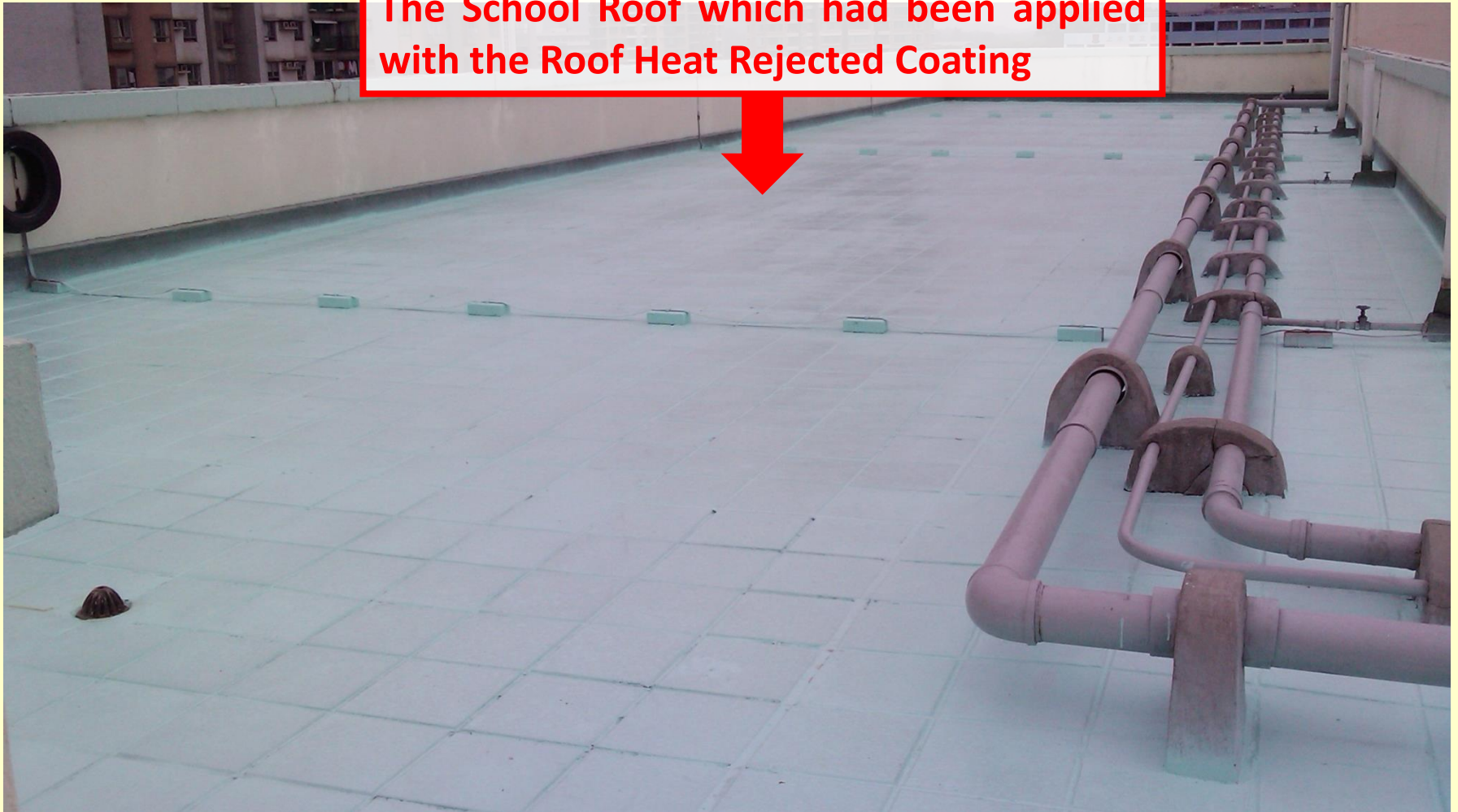


Roof Heat Rejected Coating (continue...)

Location: **Ceiling of the top floor**

Aim: **To test the efficiency of the Roof Heat Rejected Coating after applied for 6 months**

The School Roof which had been applied with the Roof Heat Rejected Coating



Roof Heat Rejected Coating (continue...)

Temp. Test: **After heat rejected coating applied**

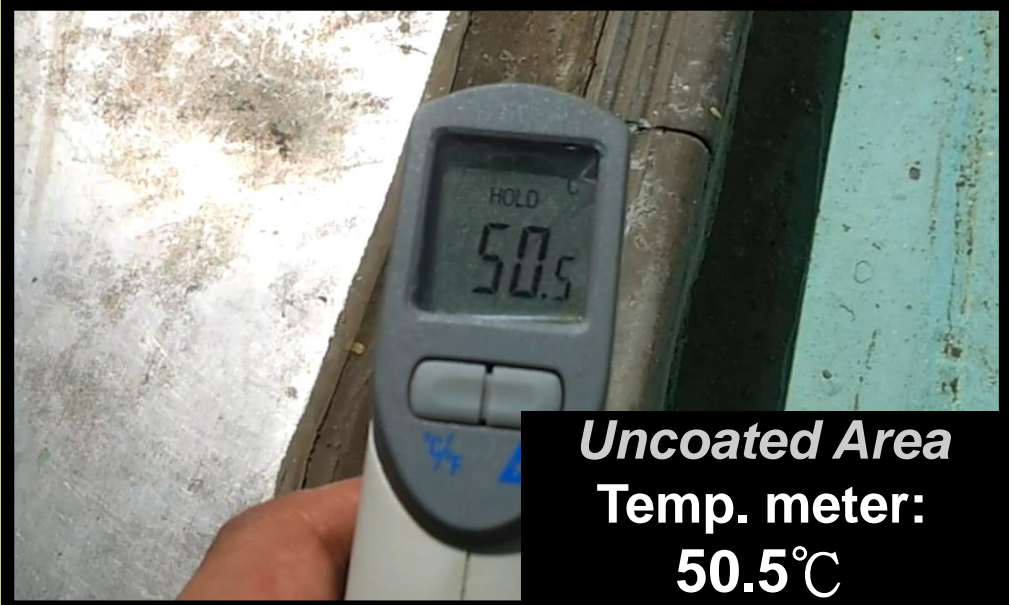
Time: 11 September 2012, Morning

Location: School Roof

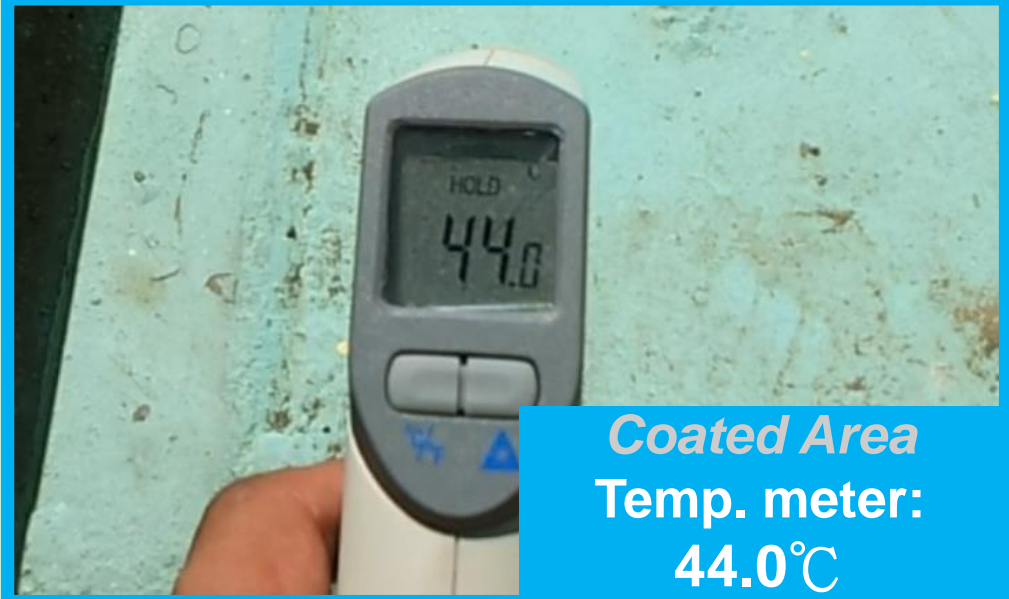
1st Temperature Recorded: 44°C (coated) , 50.5 °C (uncoated)



Temperature Test: *Uncoated VS Coated* roof area



Uncoated Area
Temp. meter:
50.5°C



Coated Area
Temp. meter:
44.0°C

Temperature Reduced:
6.5°C

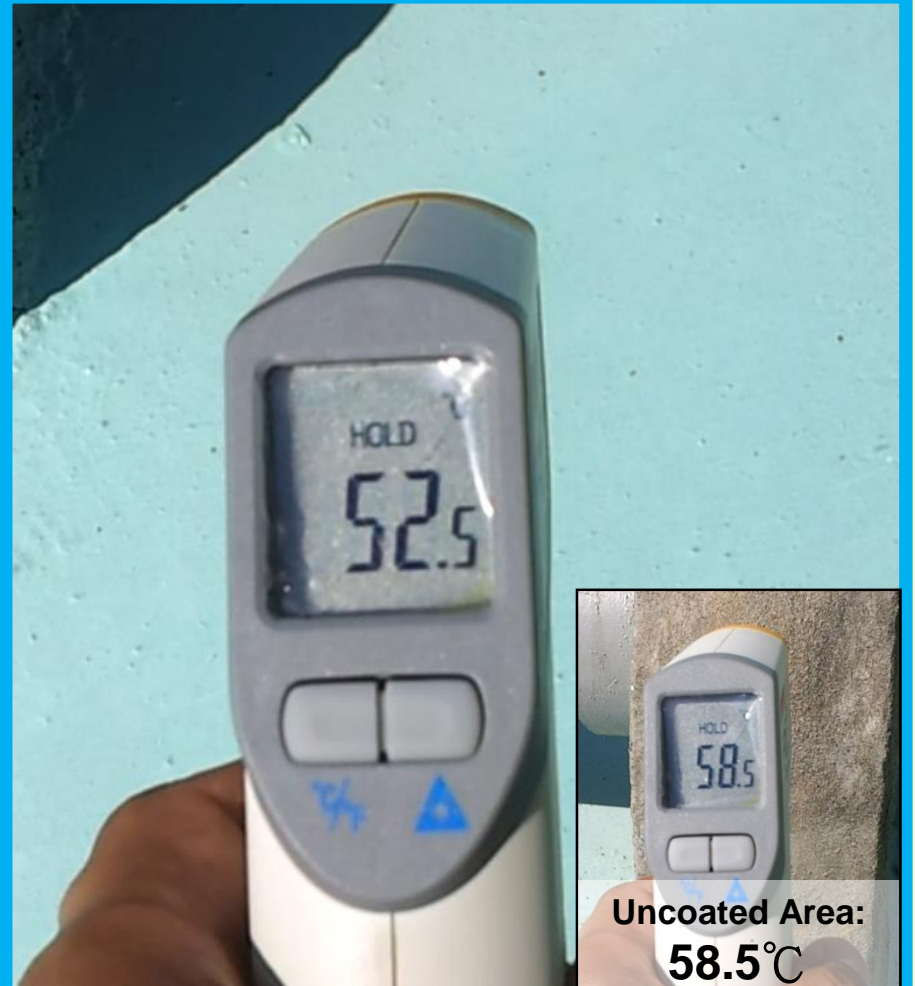


Temp. Test: **After heat rejected coating applied**

Time: 11 September 2012, Morning

Location: School Roof

2nd Temperature Recorded: 52.5°C (coated) , 58.5 °C (uncoated)



Temperature Test: *Uncoated VS Coated* roof area



Uncoated Area
Temp. meter:
58.5°C



Coated Area
Temp. meter:
52.5°C

Temperature Reduced:
6.0°C

