SAHWIA
Solar Air Heating World Industries Association

SOLAR AIR COLLECTOR CERTIFICATE

Solar A Mark
Test Performance Verified

Certificate #: 1001
Date Issued: July 31, 2012
Issued to: Conserval Systems Inc.
and Conserval Engineering Inc.

This certifies that the Products listed below have been tested by an accredited independent laboratory to a recognized test standard. In addition the manufacturer has documented procedures in place to ensure the solar Products are properly installed on the building in accordance with approved installation drawings and commissioned to optimize the solar energy savings. These Products are entitled to bear SAHWIA's **Solar A Mark** as shown above.

PRODUCTS
SolarWall unglazed ambient air collectors
Site built using approved SolarWall components and installation drawings.
Includes profiles - SW100, SW150, SW200, SW250

Certified Collector Performance

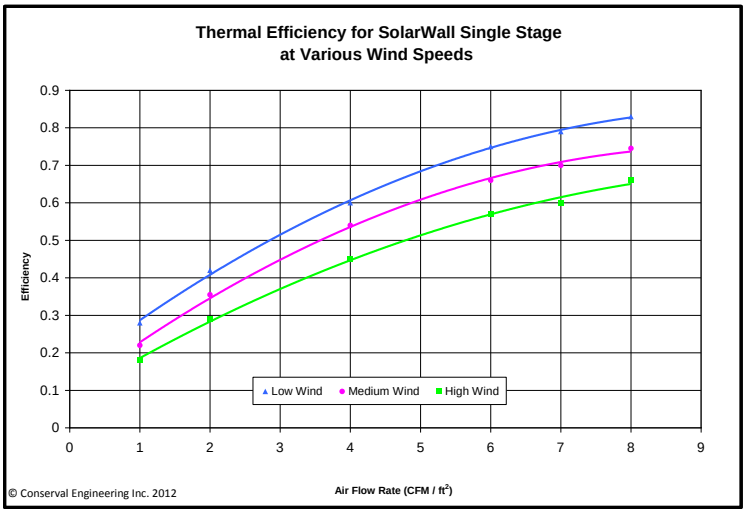

Figure 1: Efficiency versus air flow rates for various wind speeds

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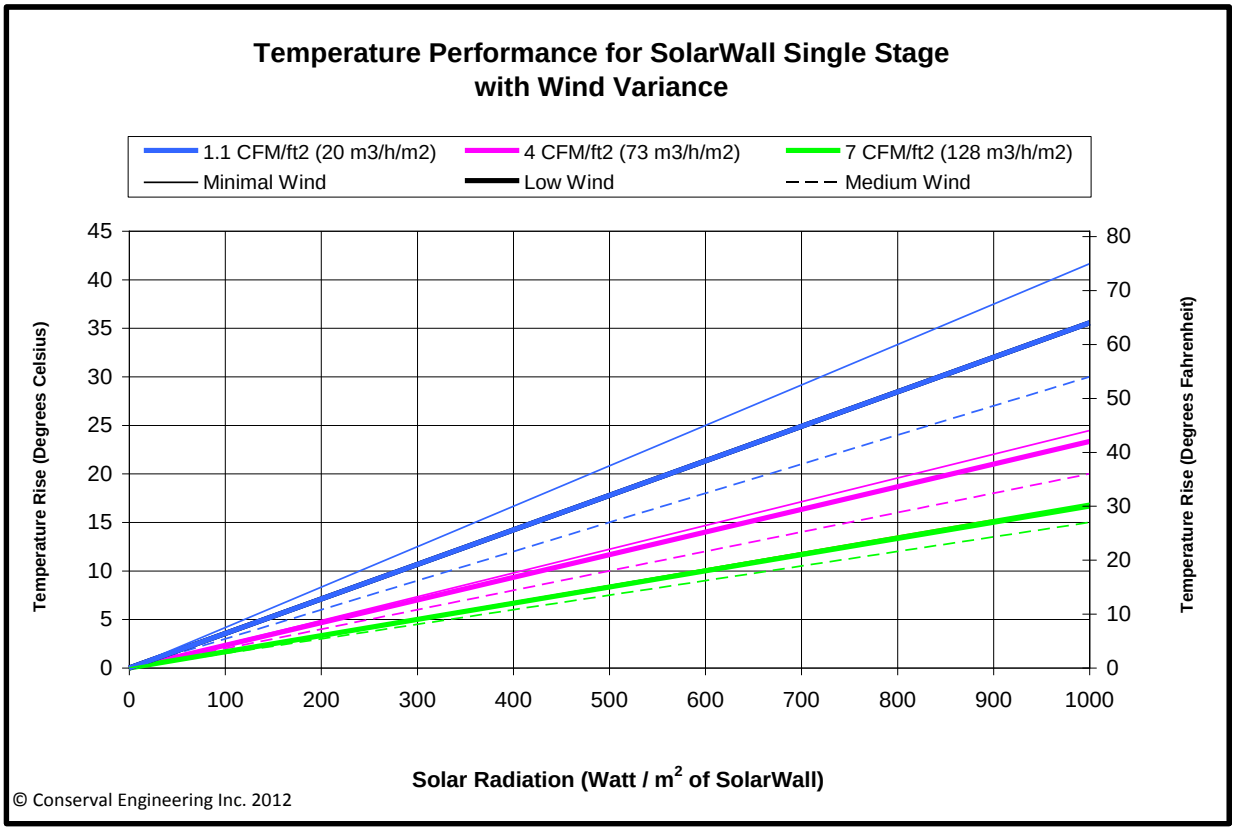

Figure 2: Temperature rise at different flow rates with variance for minimal, low and medium wind speeds

Test Lab:	Bodycote Materials Testing Canada Inc.
Location:	Mississauga Ontario Canada
Test Date(s):	October 28, 1997; April 6, 2000; June 12, 2003
Report Number(s):	00-08-9032 & 01-08-9065A
	Certified temperature curves dated October 28, 1997
Tested in accordance with:	CSA F378

Remarks:

1. The tests were performed with a black SolarWall panel with a solar absorption of 0.95. Other colors can be used for SolarWall panels and the heat output must be adjusted by the color correction factor. For example, LSR dark brown has a solar absorption of 0.94. To obtain the heat output with this example, multiply the temperature rise obtained from the Temperature graph by 0.94/0.95 to get the correct number for that color panel.