

SOLAR AIR COLLECTOR CERTIFICATE



Certificate #: 1003
Date Issued: February 14, 2013
Issued to: CA Group Limited
Evenwood, County Durham UK

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 single stage ambient air collectors
Site built using approved SolarWall components and installation drawings.
Products manufactured under licence from Conserval Engineering Inc.

Certified Collector Performance

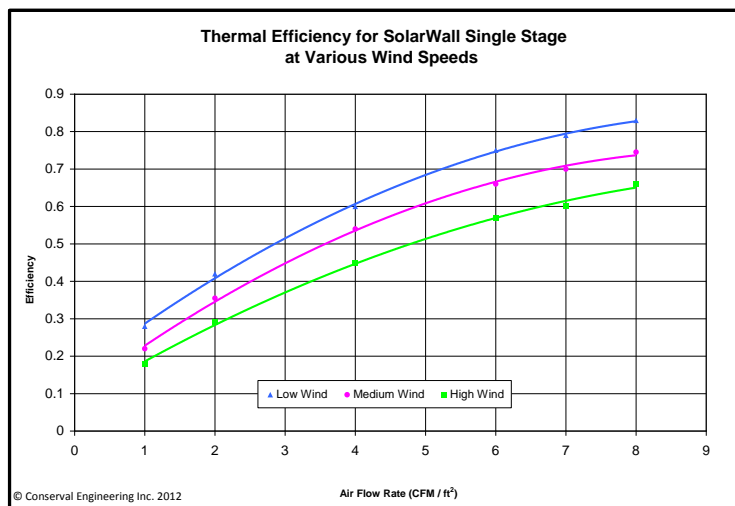


Figure 1: Efficiency versus air flow rates for various wind speeds

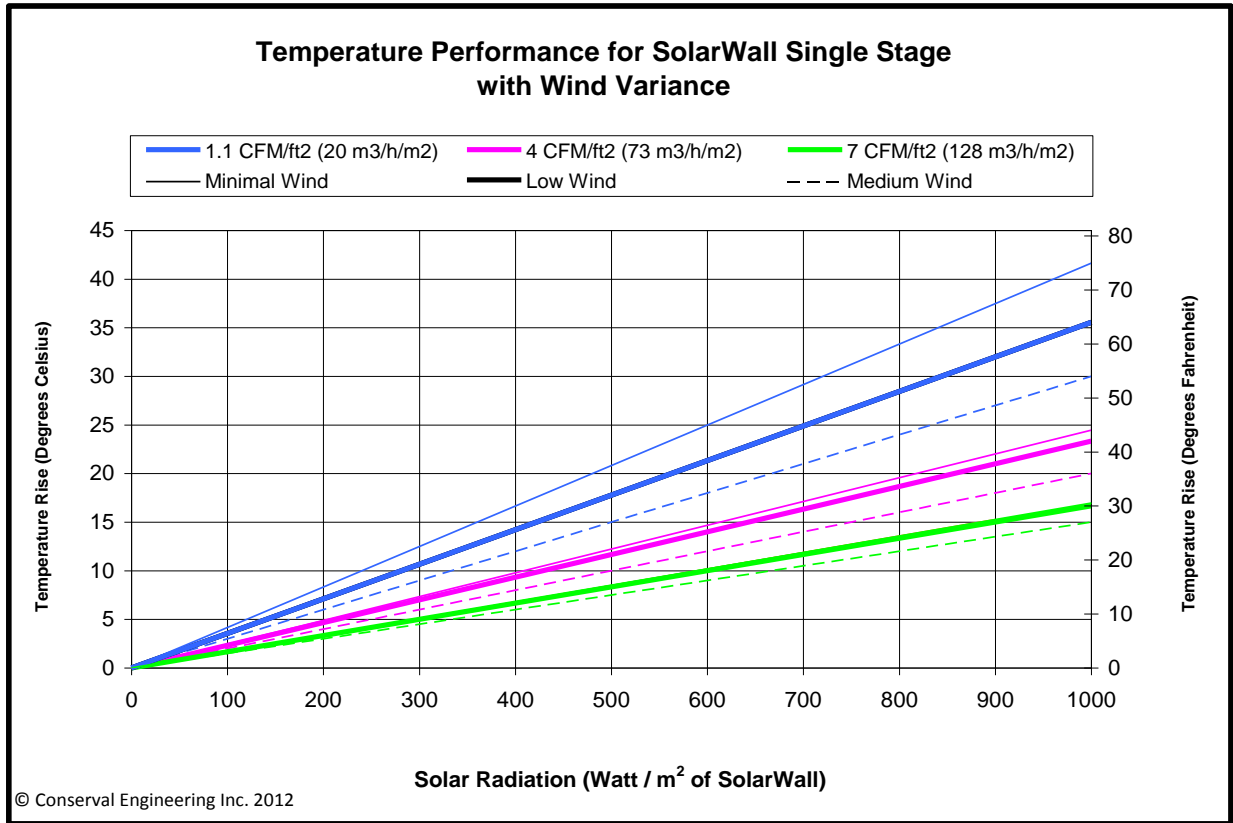


Figure 2: Temperature rise at different flow rates with variance for minimal, low and medium wind speeds

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 colours can be used for SolarWall panels and the heat output must be adjusted by the colour correction factor. For example, Anthracite has a solar absorption of 0.9. To obtain the heat output with this example, multiply the temperature rise obtained from the Temperature graph by 0.9/0.95 to get the correct number for that colour panel.