

# Case Study

## Ventis Home Ventilation System



### House Profile

**Location:** Canberra

**House Details:**

**Double-Storey, green metal roof, wall & ceiling insulation, East-West orientation.**

**Usage Scenario:** System switched on when home, and off when away on holiday (17th-20th Aug).

**Outlets:** 6



### Introduction

A field evaluation of the Ventis system was carried out in Canberra for 18 days (6th – 24th August, 2012).

There were 6 outlets in total. There was also a temperature sensor set-up in a room with no outlet to compare the performance of the system switched on and off during the day.

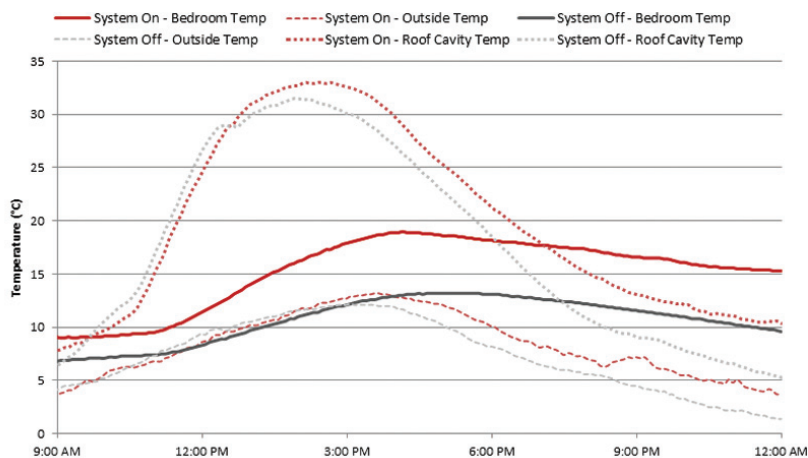
### Results

The Ventis system achieved an average of 3.8°C increase in indoor temperatures over the course of testing; the maximum increase being 6°C and also a decrease in humidity of 12%. This was on a typical winter's day in Canberra averaging 4-14.5°C outside.

The average temperature increase in the roof as compared to outside is approximately 7°C over the course of a day. Roof temperatures can vary between 5 - 32°C, depending on outside temperatures.

Graphs on the right are taken from 12th August and System Off data from 18th August.

**Roof & house temperature comparison with system on/off**



**Indoor temperature increase achieved with system on**

