

..helping people to reduce energy costs..

3ARK

Airtight Building Assessment
& Thermography



Are energy dollars sneaking out of your building?

Benefits of testing a building for air tightness:

- Identify ways to significantly **reduce** energy **costs** (ie. building heating and cooling costs).
- Increase the **green credentials** of the property by improving its energy conservation.
- **Improve staff comfort** and **productivity** levels by reducing draughts, external noise and pollution.
- **Increase** the **value** and attractiveness of the property/development to future investors.
- **Identify** contributors of heating, cooling and comfort **issues**.

Evaluations:

"According to Natural Resources Canada air leakage represents 25-40 per cent of the cost of heating and cooling a home while the US Department of Energy puts the cost at 30 per cent or more."

Source: Australian Business Spectator article 05/09/2013

"Six Canberra office buildings were tested in accordance with ASTM E779-10 (American Society for Testing and Materials, 2010) ... All of the tested office buildings had much higher leakage values than the European and US office buildings..."

Source: Study Paper by A. Egan ANU Canberra

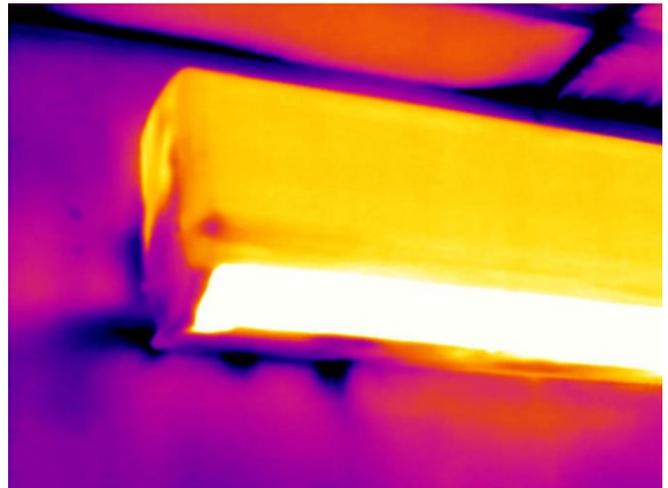
Note: The Canberra office buildings averaged 8.36 ACH v's UK "normal" practice of 5 ACH, so on average performed approximately 67% worse.

Why use 3ARK?

- Our testers are **qualified** and **experienced** in Air Tightness Testing and Thermography to provide clients with an integrated end-to-end assessment service and ensure clear and usable results.
- Our written **reports** quantify leakage levels and include pictures to **identify** the key building points requiring attention in order to reduce/eliminate **air leakage**.
- We use **specialised**, high quality, state-of-the-art and **calibrated test equipment**.
- Our testing is undertaken to key **international standards**.



This image shows our equipment as set up for a live assessment of the air tightness in a commercial building.



Thermograph of a wall mounted heating unit with the dark areas indicating air leakage / energy loss.

Additional Thermography services available:

- Building envelopes for energy loss
- Electrical systems for defects prior to failure,
- Mechanical systems for excessive forces on rotating equipment.

Contact us

For further information or to arrange an assessment please call or e-mail:...

Ash Mogensen
Ratko Mrkogaca

e. ash@3ark.com.au
e. ratko@3ark.com.au

m. 0409 040 321
m. 0418 582 114