THERMOGRAPHY

ASKIN

ASKIN Performance Panels utilise specialised FLIR infrared cameras to perform investigations and compile detailed thermographic reports on our insulated panel constructions to document effective thermal insulation. We can identify and isolate any faults, leaks or damage to our panels as well as any electrical or mechanical faults to help ensure a safe, fault free building which can also help save money on any potential expensive future service or maintenance costs.

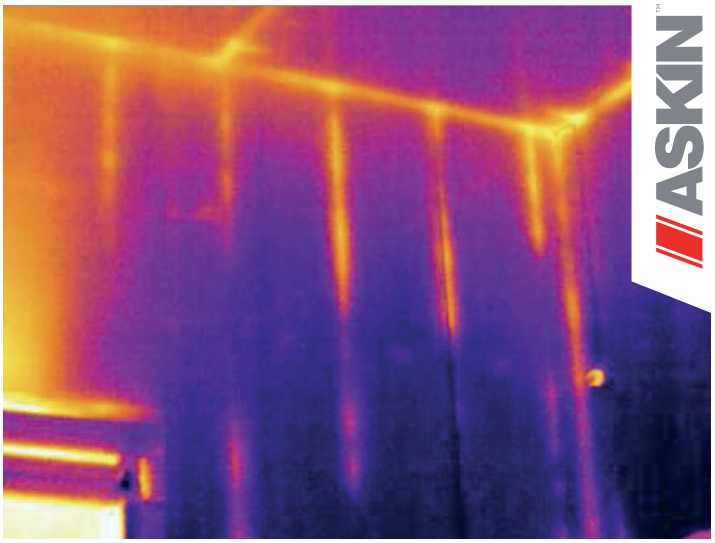
A thermographic investigation is a non-intrusive and effective diagnostic tool which allows our clients to monitor thermal performance and undertake predictive maintenance where a weakness is found.

HIGH PERFORMANCE EQUIPMENT AND TECHNICIANS

At ASKIN we understand that in order to effectively conduct a Thermographic Report the equipment must be advanced and the technicians, expert. Accordingly, we choose to provide our clients with an engineer certified in infrared thermography testing as per AS 3998-2006 who will be able to immediately detect, assess and capture any maintenance issues or possible faults with the use of a high-performance camera.

The specialised FLIR camera which will be utilised by our expert technician offers superior infrared imaging through advanced optics, a high thermal resolution (320 x 240) and a significant thermal sensitivity (<0.045°C at 30°C) which captures thermal variations between -20°C to 650°C. Our equipment also offers MSX enhancement and scalable picture-in-picture options, which serve to increase both the clarity and quality of the images. Finally, the ability to correct for an object's emissivity or reflected IR radiation level is an integral service provided by our technician which ensures an appropriate application of the data.

FREE CALL 13000 ASKIN or Email: contact@askin.net.au



THERMOGRAPHY

COMPREHENSIVE REPORT AND RECOMMENDATIONS

A thermal investigation report provided by ASKIN will contain a detailed breakdown of each component which has been looked at and tested, along with a standard photo and thermograph to gain a clearer understanding.

All relevant technical information is concisely compiled within the report, including the time and date of testing as well as all relevant thermal information which will detail the extent of any faults or damage. Our technicians are experienced in the art of interpreting and analysing this thermal data according to the relevant codes, standards and procedures and are able to include any necessary maintenance or action required for continued safe and efficient operation of the element examined.

Both the images captured by our technician and the report that follows will provide you with a comprehensive outline of any issue discovered and subsequent recommendations to reduce or negate it.

Sample Inspection carried out in Chiller Room: Results Table

REPORT	
Thermography Date	13/10/2014
Thermographer	John Doe
Outdoor Temperature	25 °C
Indoor Temperature	2 °C
Temp diff In-Out Δt	23 °C
Weather	Sunny

XFLAM	
Image Date	2014-10-13
Image Time	11:28:53
Emissivity	1.00
Ar1 Max. Temperature	2.9 °C
Ar2 Max. Temperature	9.3 °C
Ar3 Max. Temperature	7.6 °C

SERVICE

ASKIN have offices around Australia and New Zealand and we are able to visit sites which range in size from the small commercial building to the larger airline terminal. Do not hesitate to contact our Head Office on 13000 ASKIN.

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