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## LEAK TESTING - THERMAL IMAGING

### What is Thermal Imaging ?

Thermal Imaging is a non-invasive imaging technique that senses minute differences in surfaces temperatures. A coloured visible image of the surface being surveyed is produced. Interpretation of the images can give invaluable information for tracing the causes of leaks or for finding areas of damp or wet insulation within roofs or behind curtain walling/cladding and air and water leakage pathways through them. This information collated creates good back up as part of the report and might only also allow

### How it works

A camera lens focuses the infrared light emitted by all objects within its field of view. The focused light is digitally processed producing a thermogram. The thermogram is processed as a visible image depicting the different temperatures as different colours on the image. Temperature differences of as small as 0.2°C can be detected.

### What it can find

Thermal Performance: heat transmissions into or from within a construction can be traced identifying cold bridging and insufficient or missing insulation.

Entrapped Water: any areas where the underlying construction is damp or wet can be accurately mapped out.

Air & Water Leakage Pathways: air or water leakage into a construction leaves a unique signature on a Thermogram that enables tracing of a potential





