

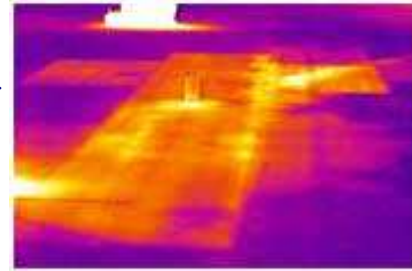
FLAT ROOF INSPECTION

LEAK DETECTION - INSULATION/HEAT LOSS - PREVENTION - INSURANCE/WARRANTY

Flat roof structures are the standard in industrial applications. Of the millions of square feet of roof installed each year it is estimated that up to **40% will develop problems within the first year of service**. The average life span of these roofs is seven years, but could last as long as twenty years if correctly installed and maintained. This is where infrared imaging stands above all other methods in prolonging the life of your flat roof structure.

Many roofs need to be replaced prematurely due to moisture damage from leaks and improper installation. Infrared (IR) thermography has a proven track record in finding damaged portions of roofing structure so they can be repaired before water damage rots your whole roof. Thermography is a non-contact testing method.

Thermal infrared inspections are non-contact and *non-destructive* testing procedures. The IR camera allows a professional thermographer to scan large areas of roof from a distance. Traditional roof inspection methods require a grid type contact search (capacitance testing) that takes a long time to complete (see expensive), or involves actually drilling holes (core sampling) in the roof membrane... definitely not recommended!



Thermal image showing saturated areas on a typical flat roof.

- **Flat roof leak**
Detect and mark saturated areas on flat roof surfaces. Exact areas are determined. Plan accurate budgets based on facts. Eliminate unnecessary replacement of good roofing.
- **Sub Contractor Approval-Warranties**
Inspect all through roof installations for possible leakage. Within 30 days a substandard installation may reveal itself, before you pay!
- **Moisture Contamination** Evaluate buildings, and plant facilities for moisture damage (through roof or other) which can lead to serious air quality issues if not attended to promptly. Identify total damaged area, not just the leak that caused it.
- **Roof Insulation**
Inspect interior and exterior roof structure to identify possible sub standard or damaged installations.
- **Investment Protection**
Inspect it before you buy or sell it! The roof is a major factor in a buildings overall value. Knowing what condition it and the supporting layers underneath are in, can save you thousands on either end!

Please call or email for a free estimate on an infrared roof inspection, or to ask about the many other ways we can save you maintenance costs with a preventative thermal inspection of your facilities.

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