

Benefits

- Correct problems before additional damage happens.
- Find leaks not visible to the naked eye.
- Price of moisture scan is credited towards repairs when completed by Roof Armour Inc.

Thankfully, rather than simply doing a quick visual assessment of the roof and deciding it needs to be replaced, our team can rely on non-destructive moisture scans to help make solid recommendations based on unbiased scientific information.

Background

Infrared thermography is a proven technology used to help locate wet insulation in roofing and siding systems. As an application, moisture intrusion is second only to electrical inspections in popularity. The technology has been applied to roofing since the early 1970s.

Knowledge is Power

Don't wait until it's too late. Infrared imaging will detect concealed issues such as structural rot, mold, and other potentially dangerous conditions.

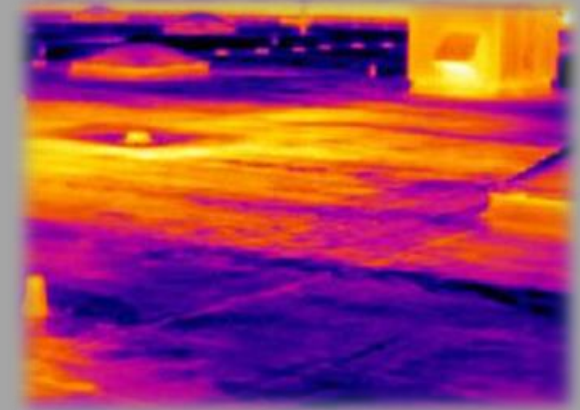


Whether you want to know the extent of an active leak, suspect your roof covering may be compromised, or just want some peace of mind prior to the expiration of a roof warranty, we can help.

Moisture surveys are necessary to avoid the cost of water damage and repair of an undetected roof leak.

Contact us to schedule a moisture scan today and start saving immediately.

How to Save \$\$\$ with Moisture Scans



The Surgeons Approach to Leak Detection

ROOF ARMOUR

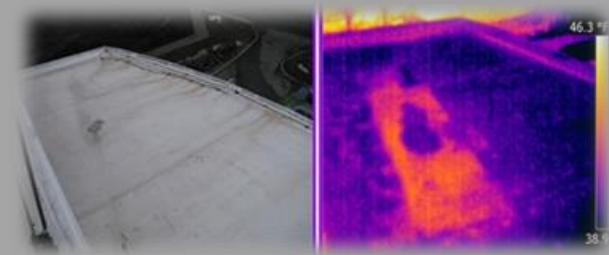
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How it Works

Thermal imaging inspections allow us to “see” and locate what the naked eye is unable to detect.

Infrared cameras can capture thermal anomalies from moisture or water damage, roof leaks, stucco, EIFS, and window leakage.



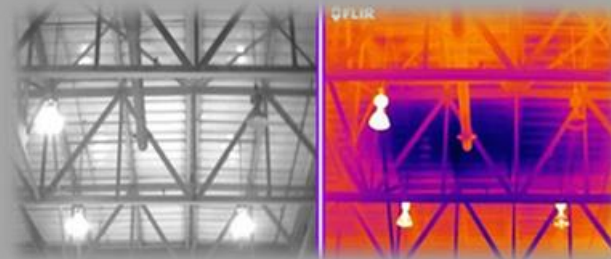
Every object emits infrared radiation. During the day, the sun radiates energy onto the roof, and then at night, the roof radiates the heat back into outer space. This is called radiational cooling. Areas of the roof that are of a higher mass (wet) retain this heat longer than that of the lower mass (dry) areas.

Infrared cameras sense this radiation and display the results as an interpretable image. Our cameras have sensitivity in the neighborhood of +/- 0.2°F. Typical wet insulation areas can yield temperature differences between 0.5°F and as high as 30°F or more.

Consequences of Wet Insulation

There are several reasons why it is important to identify wet insulation trapped within a roofing system;

- Roof leaks can cause costly interior damage to facilities and create hazardous living or working conditions for building occupants.
- Wet insulation becomes a conductor of heat rather than a resistant barrier, resulting in increased energy bills.
- Trapped moisture in insulation is a great place for mold to propagate and may eventually lead to indoor air quality issues.
- Wet insulation often causes roofing fasteners to corrode and reduces the uplift performance of the roof, which can lead to a roof tearing and eventually blow off.
- Trapped moisture can speed the deterioration of the building's structural deck.
- Wet insulation will degrade the roofing system.
- Wet insulation adds unnecessary weight to the building.



Non-Destructive Testing Saves \$\$

Roofs attract little attention until they leak and require restoration. Non-destructive testing by way of infrared moisture scans provides our roofing and stucco team with in-valuable insights regarding the condition of the customers' assets. The information gathered from moisture scans can help building owners and facility managers extend the life roof, siding and insulation.

Prematurely replacing a roof that can be repaired or restored costs building owners millions of dollars annually. Alternatively, by using non evasive testing methods, the question of repair vs. replace is answered with hard data.

Infrared Imaging Technology not only provides us surgical precision in repairing damage already done, but also displays imaging of areas that may be damaged which still appear visually sound – allowing for preventive maintenance. This can save thousands of dollars on un-needed future repairs.

Although most infrared scans tests are commonly performed on aged roof or wall systems, many maintenance professionals are now engaging in tests on newly installed substrates as a measure of quality assurance and preventative maintenance.