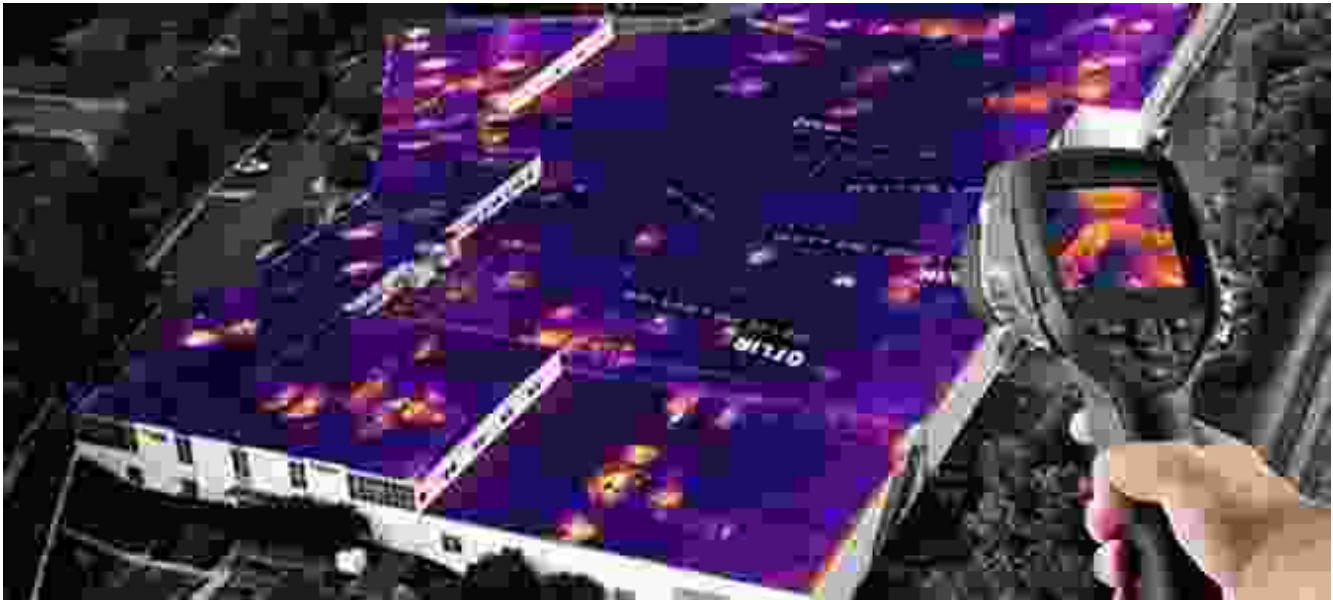
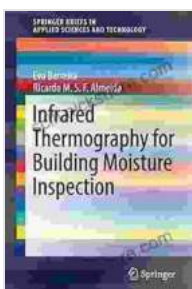


Infrared Thermography for Building Moisture Inspection: SpringerBriefs in Applied Sciences and Technology



Infrared thermography (IRT) is a non-destructive testing (NDT) technique that can be used to detect moisture in buildings. It is a safe and effective way to find hidden moisture problems that could lead to mold growth, structural damage, and other health and safety hazards.



Infrared Thermography for Building Moisture Inspection (SpringerBriefs in Applied Sciences and Technology) by Megan Miller

★★★★☆ 4.5 out of 5

Language : English
File size : 7614 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 103 pages



IRT works by detecting the infrared radiation emitted by objects. The amount of infrared radiation emitted by an object is proportional to its temperature. Wet materials emit more infrared radiation than dry materials, so IRT can be used to find areas of moisture in buildings.

IRT is a valuable tool for building inspectors, moisture remediation contractors, and homeowners. It can be used to find moisture problems in a variety of building materials, including:

- Wood
- Concrete
- Drywall
- Insulation
- Roofing

Benefits of Using IRT for Building Moisture Inspection

There are many benefits to using IRT for building moisture inspection, including:

- **Non-destructive:** IRT does not damage building materials, so it can be used to inspect even delicate surfaces.
- **Safe:** IRT does not emit any harmful radiation, so it is safe to use in occupied buildings.

- **Effective:** IRT can detect moisture problems that are hidden from view. This makes it an ideal tool for finding leaks, water damage, and other moisture-related issues.
- **Quick and easy:** IRT inspections can be performed quickly and easily. This makes it a cost-effective way to inspect large buildings or areas with multiple moisture problems.

How to Perform an IRT Building Moisture Inspection

To perform an IRT building moisture inspection, you will need an infrared camera. Infrared cameras are available in a variety of price ranges, so you can find one that fits your budget and needs.

Once you have an infrared camera, you can follow these steps to perform an IRT building moisture inspection:

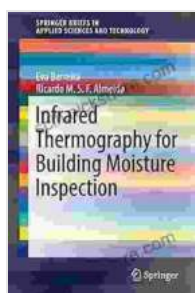
1. Scan the building interior and exterior with the infrared camera. Look for areas that are warmer than the surrounding areas. These warm areas may indicate the presence of moisture.
2. Take close-up images of any areas that you suspect may be moist. These images can be used to document the moisture problem and to track its progress over time.
3. Interpret the infrared images to determine the extent of the moisture problem. You may need to consult with a qualified moisture remediation contractor to help you interpret the images and to develop a plan to fix the moisture problem.

IRT is a valuable tool for building moisture inspection. It is a safe, effective, and non-destructive way to find hidden moisture problems that

could lead to mold growth, structural damage, and other health and safety hazards. If you are concerned about moisture problems in your building, consider hiring a qualified moisture remediation contractor to perform an IRT inspection.

Additional Resources

- Infrared Training Center
- National Association of Certified Home Inspectors
- International Association of Certified Home Inspectors



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