

Florida Fire & Flood Highlights Importance of Infrared Technology in Detecting Hidden Roof Damage

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Florida Fire & Flood, a Central Florida damage restoration company with over 45 years of experience, emphasizes the critical role of advanced infrared technology in identifying concealed roof damage before it becomes a costly disaster. The company's recent case study involving an Orlando homeowner demonstrates how proactive inspections can save thousands of dollars in potential repairs.

The Orlando property appeared to have a perfectly intact roof during visual inspection. However, when Florida Fire & Flood technicians employed infrared imaging equipment, they discovered temperature variations indicating moisture beneath the surface. The hidden roof leak was traced to deteriorating flashing that had begun to separate, allowing water infiltration during heavy rains.

"What appears sound to the naked eye can hide serious problems beneath the surface," said Tim Machuca, a spokesperson for Florida Fire & Flood. "In this Orlando case, the homeowner made the smart decision to schedule an inspection despite seeing no visible damage. Our infrared technology revealed moisture that

would have led to extensive wood rot, mold growth, and potentially thousands of dollars in structural repairs if left undetected."

The discovery enabled immediate repairs that were completed in less than a day, preventing what could have evolved into extensive damage requiring major reconstruction. Without early detection, the small leak would have continued deteriorating the roof structure, potentially compromising the home's integrity and creating hazardous mold conditions.

Florida's climate presents unique challenges for property owners, with intense sun, heavy rainfall, and hurricane seasons creating conditions that accelerate roof deterioration. Traditional visual inspections often miss developing problems hidden beneath roofing materials, making infrared technology an essential tool for comprehensive property assessment.

The infrared imaging process works by detecting temperature differences across roof surfaces. Areas with trapped moisture appear cooler than dry sections, revealing problems invisible during standard inspections. This non-invasive technology allows restoration professionals to identify issues without removing roofing materials or causing unnecessary damage during the inspection process.

Beyond immediate cost savings, early leak detection protects property values and prevents health hazards associated with mold growth. Insurance companies increasingly recognize the value of preventive inspections, as early intervention reduces claim severity and helps maintain property insurability.

Florida Fire & Flood serves Central Florida communities, including Maitland, Davenport, Leesburg, Ocala, Clermont, and Orlando. The locally owned and operated company maintains IICRC certification and employs technicians certified in water damage restoration, mold remediation, fire and smoke restoration, and odor control. The company provides both residential and commercial restoration services and assists property owners with insurance claim documentation and processing.

As part of its commitment to the community, Florida Fire & Flood donates a portion of every project to Florida Wildlife causes. The company's comprehensive services include water damage restoration, mold remediation, fire damage restoration, reconstruction services, storm damage restoration, and roofing solutions.

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Florida Fire & Flood

Florida Fire & Flood is Central Florida?s trusted 24/7 restoration company for water, fire, and mold damage. IICRC certified, insured, and experienced with insurance claims. Serving Orange, Lake, Sumter & Marion Counties.

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