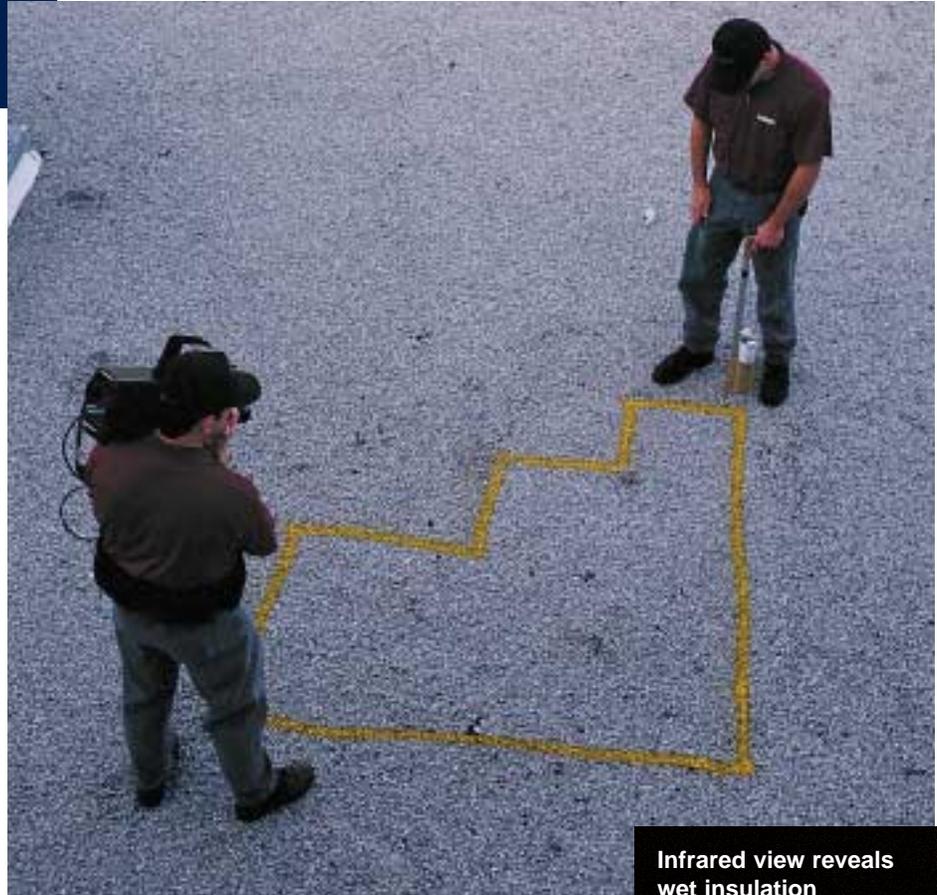


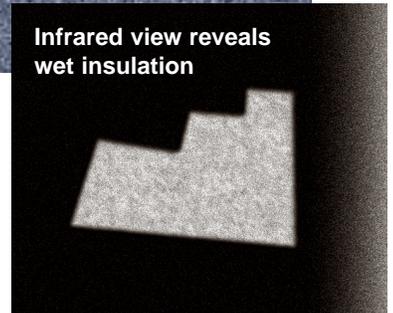
# IDENTIFY HIDDEN MOISTURE. AVOID UNNECESSARY COSTS.

Thermocore® NON-DESTRUCTIVE MOISTURE DETECTION & ANALYSIS

Weatherproofing Technologies, Inc. (WTI), the service division of Tremco Incorporated, offers a full range of sophisticated analytical, maintenance and information-based services with one simple goal – to maximize the life of your roof and protect the value of your building.

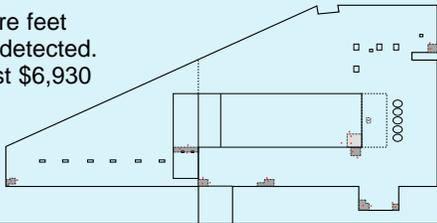


Infrared view reveals wet insulation

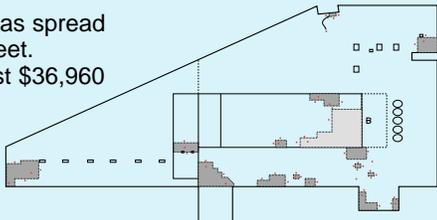


## MOISTURE MEANS MONEY LOSS

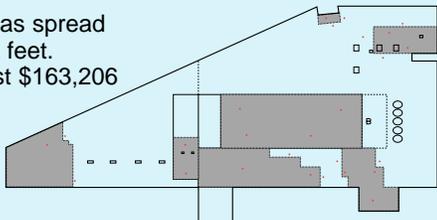
**2000:** 1155 square feet of wet insulation detected. Replacement cost \$6,930



**2003:** Moisture has spread to 6160 square feet. Replacement cost \$36,960



**2006:** Moisture has spread to 27,201 square feet. Replacement cost \$163,206



Hidden moisture is your roof's worst enemy. It wastes energy, eats away at your roof deck, and contributes to sick building syndrome. Even worse, it spreads to more and more roof area over time. Catch it early, though, and you can stop it in its tracks with relatively inexpensive repairs.

### THE SCIENCE OF EARLY DETECTION

Based on the principle that wet roofing insulation conducts heat more rapidly than dry insulation, Thermocore was invented and patented for infrared moisture analysis. Using a sensitive infrared camera, trained WTI personnel non-destructively pinpoint the vulnerable areas where moisture has infiltrated the roof membrane and penetrated the insulation beneath.

# IDENTIFY HIDDEN MOISTURE. AVOID UNNECESSARY COSTS.

Thermocore® NON-DESTRUCTIVE MOISTURE DETECTION & ANALYSIS

A Thermocore moisture analysis provides you with a detailed thermal map of how and where hidden moisture is threatening your roof. You get the “early warning” data you need to head off big repairs and replacement bills.

## A FULL-SERVICE\* THERMOCORE MOISTURE ANALYSIS INCLUDES

**Infrared roof moisture survey.** Every analysis starts with a visual inspection of the roof surface, including photos of roof details and construction. Then, we use a sensitive infrared scanner to detect temperature differentials across your entire roof area. This quickly identifies areas of wet insulation, which are then marked for further analysis and possible removal. The moisture survey also includes:

- Thermal mapping of every square foot of the roof—wet areas physically outlined in spray paint
- Scaled roof drawings to show precise size and location of wet areas
- Thermal images of wet, defective roof areas

### **Moisture probes to verify wet areas.**

Once our skilled technicians have identified potentially wet roof sections, a moisture probe is inserted through the roof to measure electrical resistance, which varies according to the amount of moisture present.

### **Verification through core sampling.**

A proper moisture analysis program requires some level of physical testing, which measures the quantity of moisture at the core site and details of roof construction—identification and analysis of the deck, insulation, membrane and bitumen types. All roof cores are immediately

repaired with quality Tremco materials to ensure waterproofing continuity.

### **Detailed report to document the results.**

Everything you need to understand the location and extent of surface roof moisture and what course of action you should take.

\*Alternate levels of service are available.

## THERMOCORE BENEFITS

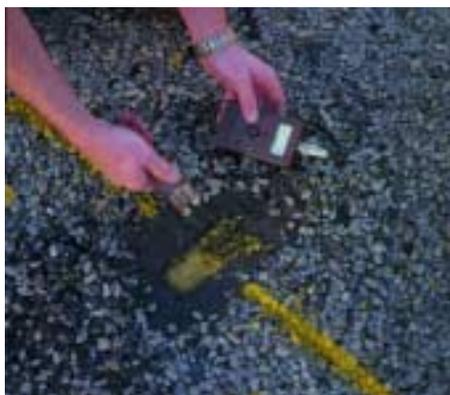
**Reduces life cycle costs** by helping you prevent the spread of moisture throughout the entire roof system—thus avoiding unnecessary tear-off.

**Allows for accurate identification** of wet insulation with minimal invasive testing of the roofing system.

**Takes the guesswork out of roof analysis** through use of scientific data and comprehensive reporting.

**Provides the ability to customize** your level of service and establish a proactive management plan.

**Inspected by THE industry leader** in roof diagnostic information and backed by ISO 9001 quality processes and measurements.



Moisture probe testing quickly confirms the presence of moisture.



An RPM Company

3735 Green Road, Beachwood, Ohio 44122  
1.800.562.2728 • www.tremcoroofing.com

215 Wicksteed Avenue, Toronto, Canada M4H 1G7  
1.800.263.6046 • www.tremcoroofing.com



**WEATHERPROOFING  
TECHNOLOGIES, INC.**  
*a service division of Tremco Incorporated*