

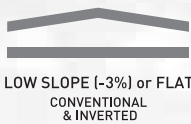
The Best Moisture Monitoring Solutions Are All Here Under One Roof.

AND THE BEST ROOFS ARE MONITORED BY DETEC SYSTEMS.

APPLICABLE ROOF TYPES



VEGETATED-ANY SLOPE



LOW SLOPE (-3%) or FLAT
CONVENTIONAL
& INVERTED



PARAPET/FLASHING



PITCHED (+ 3%)

Detec's proprietary Moisture Detection Tape is integrated with the roofing structure for comprehensive moisture monitoring.

Moisture management is a critical requirement for any durable building. No area is more vulnerable to hidden moisture intrusion than the roof.

Roofs that are continuously monitored for moisture intrusion are better roofs. Period. Combined with regular maintenance, they last longer, are more energy-efficient, cost less to maintain and reduce the overall impact their repairs will have on our environment.

Detec Systems continues to lead the way in smart building technology for the building enclosure. Automated monitoring delivers a comprehensive understanding of the roof and wall moisture performance for superior building management. This revolutionary approach to the persistent problem of concealed water intrusion supports the most basic purpose of sustainable development.

We See a Better Way to Build Roofs. Spec Detec.

4 FANTASTIC SOLUTIONS

to ensure the long-term integrity of roof structures:

MDMS

For Automated Monitoring of Vegetated or Standard Roofs

EGLL

Electric Gradient Leak Locator For Periodic Surface Scan

RMIS

Roof Membrane Integrity Scan For Periodic Surface Scan

VSL

Vertical Surface Leak Locator for Parapets and Vegetated Walls

TURN THE PAGE FOR SPECIFIC INFORMATION ON ALL FOUR SYSTEMS

detecsystems.com

DetecTM
systems

Automated Structure Monitoring

Tacoma, WA 253.272.3252
Vancouver, BC 604.742.0911
Sidney, BC 250.655.0911

Moisture
Detection
Tape

4 Ways Detec Systems Keeps Active Watch Over Your Roof



MDT surrounding a roof vent penetration

Each roof grid configuration is customized for specific roof slope, type of deck, and desired resolution of monitoring.



The Most Comprehensive Moisture Monitoring System Available.

A custom grid of Detec's proprietary Moisture Detection Tape (MDT) is installed under the entire roof membrane. Penetrations are monitored from below the roof deck.

A moisture intrusion is identified within minutes of contacting the MDT. This alert is relayed through a D6000 computer to the Property Manager via pager, e-mail or a printed report. He can also log on to see a plan-view drawing of the roof, enhanced with the Detec grid configuration, to see the leak location in real-time.

The grid defines the problem area so an experienced roofing consultant or contractor can locate the membrane failure. For hard to find leaks, Detec's EGLL, RMIS or VSLL technologies can be used to pinpoint the membrane breach. (see below)

The system continuously tracks and records the moisture condition to confirm the success of repairs. Local weather data can also be displayed to assist in determining the conditions that caused the leak - extremely valuable in locating sporadic leaks.

1 MDMS

For Automated Moisture Monitoring of **VEGETATED ROOFS, CONVENTIONAL ROOFS and INVERTED ROOFS**

- Monitors parapets, penetrations and the entire roof plane proactively to minimize the long-term effects of hidden moisture intrusion and moisture accumulation
- Provides continuous monitoring so that action can be taken immediately. No more searching for days to find a leak or waiting for visual damage to show on the underside of a roof deck, attic area or ceiling
- Installs UNDER the roof membrane in conventional roof systems
- Monitoring continuously means **maximum risk mitigation**
- Retrofits into most re-roofing jobs, too!*



2 EGLL

Electrical Gradient Leak Locator

- Locates the membrane breach on most roof types* including under vegetated roofs.
- Continuous MDT monitoring of surface penetrations is optional
- Use for periodic manual scanning of green roof surface plane with EGLL technology
- Can be used on existing roofs*

*contact Detec for more information on applicable roof membranes and roof types



3 RMIS

Roof Membrane Integrity Scan

- Scans inverted roof membranes or plaza deck waterproofing prior to installation of overburden
- Use for quality assurance on new roofs or existing*
- Continuous MDT monitoring of roof penetrations is optional
- Use when grid system is not in place



4 VSLL

Vertical Surface Leak Locator

- Scans the vertical parapet walls or vegetated walls
- Confirms the water tightness of surface penetrations

DetecTM
systems
Automated Structure Monitoring

We See A Better Way.TM

Visit detecsystems.com to learn more about monitoring your entire building enclosure for moisture intrusion.

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