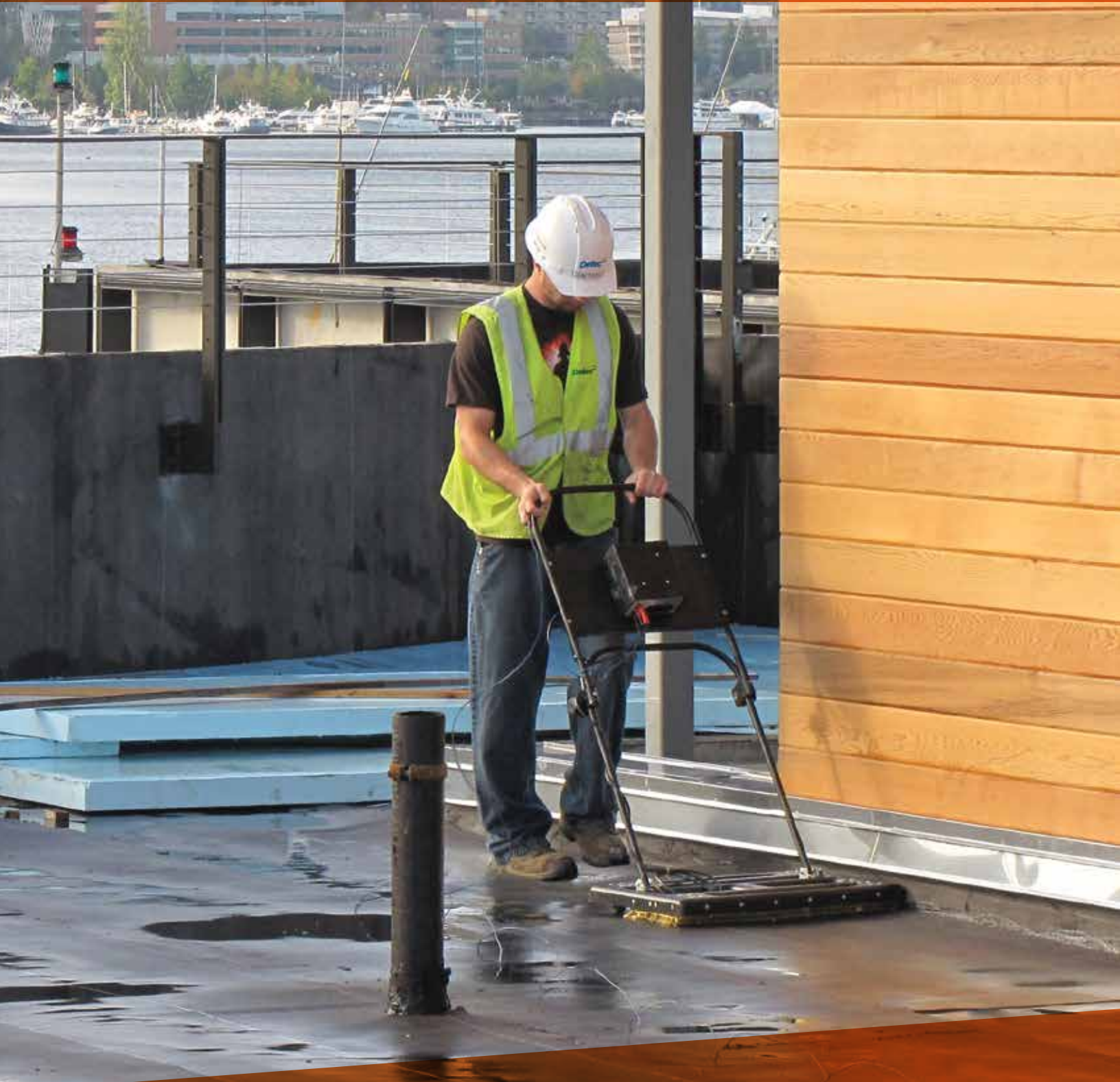


SUPERIOR MEMBRANE INTEGRITY
TESTING SERVICE FOR ROOFS

IntegriScan™



Detec™

ELECTRONIC LEAK DETECTION

IntegriScan™

KNOW FOR CERTAIN.

Have a new building that will need its roof tested?

Call us toll-free today at

855.75DETEC

(855.753.3832)

Australia Phone

0476 066 618

The Value You Demand. The Integrity Your Membrane Deserves.

Detec's IntegriScan testing service is the most accurate testing method you can specify to confirm that the waterproof membrane on your structure is closed dry and watertight during construction. The technology unique to IntegriScan facilitates a more reliable test signal than the electric field vector mapping method, ensuring a more

accurate test is performed. Because it can be implemented faster than electric field vector mapping, IntegriScan also ensures the most expedient route to warranty certification. And now, with the advent of TruGround™ Conductive Primer, only Detec can test conventional membrane assemblies without the compromise of added wire mesh.

The Essential QA Test for Every New Roof.

- Verifies the integrity of roofs, plaza decks or linings –and the only service that can reliably perform vertical surface tests
- Pinpoints breaches during membrane installation so repairs can be made immediately--ensuring minimal impact to your construction schedule
- Completes testing in as little as half the time as outdated methods like electric field vector mapping or flood testing, again, so you can stay on schedule
- Ensures 100% coverage of the membrane and virtually eliminates the potential for false positives and complete breach misses, unlike the sampling method of electric field vector mapping
- Provides a more thorough overall assessment than electric field vector mapping or flood testing



Only Detec can reliably test vertical membranes



Introducing TruGround™ Conductive Primer

Applying TruGround finally enables a truly conclusive and reliable membrane integrity test for conventional roof assemblies.

Because Closer Is Better.

TruGround is applied directly under the membrane on a conventional assembly. TruGround can promote membrane adhesion, and has none of the performance issues associated with an added wire mesh layer.

- Makes testing a conventional membrane assembly possible for the life of the assembly
- Dries in about 30 minutes – can be rolled, sprayed, or pre-applied for more efficient, cost effective installation than an added wire mesh layer
- Chemically and mechanically compatible with all major membrane types
- Provides stronger, more reliable conductance – ensuring virtually 100% accuracy in detecting breaches in the membrane

GET REAL, GET DETEC.

Other testing methods eventually prove inconclusive on many membrane assembly types. The advanced technology behind IntegriScan™ goes further.

COMPARE



INTEGRISCAN™

ELECTRIC FIELD VECTOR MAPPING

FLOOD TESTING

TECHNOLOGY

Method

New Dual-Sensor Cross Scan Technology (Proprietary)

Triangulation sampling technology developed in the early 1970's

Gravity

Testing Device

Mobile platforms that isolate test area for better conductance

Install perimeter wire and utilize probing poles to sample area within

All downspouts are blocked, water sits on the roof for 24-48 hours

PERFORMANCE

Coverage

100% of horizontal, low-slope and vertical surfaces

Testing is done via sampling, so actual coverage is indeterminate. Can only visually inspect vertical surfaces

Horizontal surfaces only

Test Inverted Assemblies

YES

YES, but due to large isolation area, full conductivity can't be verified

Will indicate (but not find) only obvious leaks, will not find breaches

Test Conventional Assemblies

YES, with C-Coat on new assemblies and with wire mesh pre-installed

Only if a wire mesh is properly installed beforehand **directly** under the membrane

Will indicate (but not find) only obvious leaks, will not find breaches

Test Vertical Surfaces

YES

NO

NO

Test Time

Fastest

Moderate

Slowest

Impact on Construction Schedule

Minimum

Minimum to Moderate

Maximum

Reliability

Most Accurate
Virtually no chance for false positives or complete misses. Wall junctions, perimeter details, and membrane penetrations are tested electronically.

Higher potential for false positives and complete misses. Wall junctions, perimeter details, and membrane penetrations **can only be visually inspected.**

Least Accurate
Ultimately this test is inconclusive by design

RCABC[‡] Roofing Guarantee Program

APPROVED

NOT APPROVED

NOT APPROVED

VALUE VS. RISK



- 100% coverage
- Fastest test time
- Most accurate results
- Least impact to construction schedule
- Recognized as a superior method by roofing orgs.
- Works in tandem with our automated leak detection and moisture monitoring systems

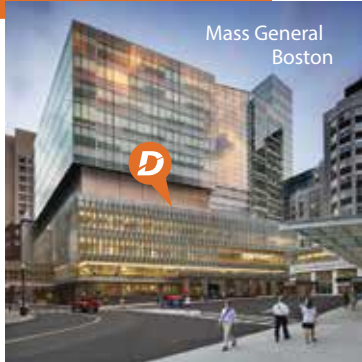
- Perimeter wire test method does not provide 100% coverage and can be easily compromised
- No guarantee of complete conductivity which equates to inconclusive test
- No way to verify sampling has covered entire membrane
- Exorbitant return visit testing fees relative to IntegriScan
- Most installation materials are originally designed for other uses [duct tape, chicken wire]

- Costly and labor intensive to prepare and test
- Will not identify breach location
- Surface tension of water may be too strong to penetrate a breach during the testing period
- Drainage blocks may be covering existing breaches
- Can potentially cause water and structural damage to areas below
- Poor choice for risk mitigation

Many Membrane Types. One Choice for Quality Assurance.

Projects of all scale and scope throughout North America have specified Detec to ensure peace of mind and long service life for their membrane assemblies.

INSTITUTIONAL



ARCHIVAL/DATA STORAGE



GREEN/VEGETATED



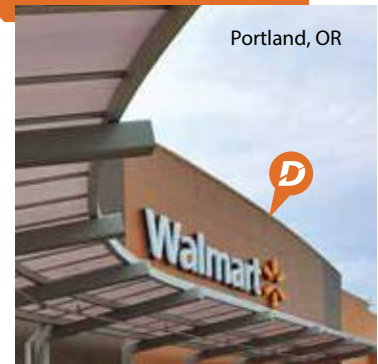
PLAZA DECKS/PARKADES



LEED TARGETED



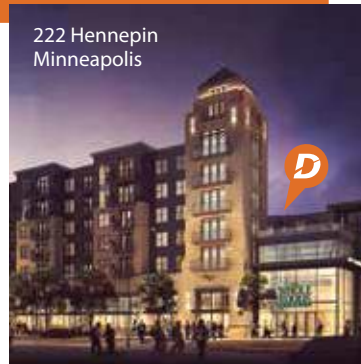
COMMERCIAL/RETAIL



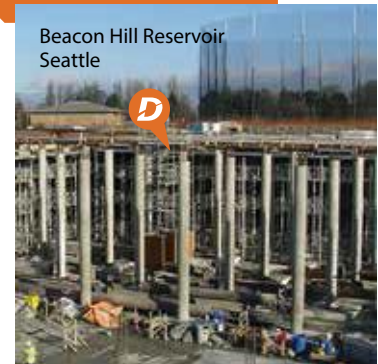
EVENT FACILITIES



MIXED USE/LIVE-WORK



RESERVOIRS



The smartest leak detection solutions
are all under one roof.



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Get the Spec > go to detecsystems.com

Australia Phone 0476 066 618 | www.detecaustralia.com.au