Electronic Leak Detection

IntegriScan

Detec systems
**Benefits of IntegriScan Quality Control Testing**

- **Verifies** the integrity of roofing or waterproofing assemblies.
- **Pinpoints breaches, holes, and seam voids** after membrane installation so repairs can be made immediately--ensuring minimal impact to the construction schedule.
- **Quick, efficient, and reliable.** The IntegriScan platform can test up to 40,000 ft² in a day.
- **Ensures 100% coverage.** Tests horizontal surfaces, vertical surfaces, details, and penetrations.

**TruGround® Conductive Primer**

**TruGround** enables reliable membrane integrity testing for conventional roof assemblies. **TruGround** is applied to the non-conductive substrate directly under the membrane.

- Enables electronic testing of exposed conventional assemblies for the life of the building
- Facilitates testing of black EPDM
- Approved by membrane manufacturers
- Easily applied to transitions and details
- Typically dries in under 30 minutes
- Suitable for fully adhered, mechanically attached and torch-down membranes
- Compatible with low and high voltage ELD testing methods
- No risk of membrane punctures or corrosion
- Can be applied to any substrate
- Complies with ASTM D7877

Detec’s **IntegriScan** is the most accurate electronic testing method available. This advanced, low voltage test ensures 100% of the membrane is free of breaches, holes, and seam voids.

The **IntegriScan**’s unique technology facilitates a reliable test compared to vector mapping and archaic flood testing. The **IntegriScan** equipment eliminates the need for a perimeter wire by limiting the testing area to directly below the **Scanning Platform**. Detec’s **Vertical Scanning Unit (VSU)** tests vertical surfaces, rebar flashings, and hard to reach areas.

The **IntegriScan** is the **ONLY** method available for testing black EPDM and other semi-conductive membranes. Additionally, **TruGround Conductive Primer** enables electronic testing on conventional assemblies with non-conductive substrates such as wood, insulation, and coverboard.
**Why The IntegriScan Is The Best**

Other testing methods are often inconclusive for many roofing systems. The advanced technology behind the IntegriScan™ goes further.

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<thead>
<tr>
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<th>Flood Testing</th>
<th>Vector Mapping</th>
<th>High Voltage Testing</th>
<th><strong>IntegriScan</strong></th>
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1. Flood Testing of Conventional Assemblies is not Recommended due to Structural Stress
2. Unable to Reliably Identify Location of Leak
3. Testing Takes Days
4. Unable to Test Vertical Surfaces

1. Lengthy Setup Process
2. Unable to Test Black EPDM or Semi-Conductive Waterproofing

* With an Installed Conductive Medium such as TruGround® Conductive Primer

1. Unable to Test in Wet Conditions as per ASTM D7877
2. Unable to Test Black EPDM or Semi-Conductive Waterproofing

* With an Installed Conductive Medium such as TruGround® Conductive Primer
There are Many Membrane Types. There’s One Choice for Quality Assurance.

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

Past Projects

INSTITUTIONAL
University of Washington

ARCHIVAL/DATA STORAGE
Facebook Prineville

GREEN/VEGETATED
Museum of Westward Expansion St. Louis

PLAZA DECKS/PARKADES
University of British Columbia

CORPORATE HEADQUARTERS
Nike HQ Beaverton

COMMERCIAL/RETAIL
Nordstrom Tower New York

EVENT FACILITIES
Wrigley Field Chicago

BELOW GRADE WATERPROOFING
SR99 Tunnel Seattle

RESERVOIRS
Beacon Hill Reservoir Seattle

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