

Electronic Leak Detection Specification Checklist

HONZA GROUP INC.

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15 questions every consultant should ask before selecting a conductive medium for roofing and waterproofing assemblies.

Selecting a conductive medium is about more than material costs or installation preferences. The right solution should support reliable testing, quality assurance, documentation, and long-term project performance. Use this checklist when evaluating conductive primer, conductive mesh, or other conductive mediums for roofing and waterproofing assemblies.

HOW TO USE THIS CHECKLIST

01

Work through each section independently.

Each of the four sections flags a different category of project risk. Work through them in order before the specification is finalized.

02

Check what you can confirm.

A checkmark means the item has been addressed and documented. Leave items unchecked if you cannot confirm them at the time of review.

03

Read the risk flag at the bottom of each section.

If one or more items in a section are unchecked, the risk flag identifies the category of exposure and what to do next.

04

Use your results to drive the conversation.

Unchecked items are not failures. They are open questions. Bring them to your project team or a testing specialist before the membrane goes down.

\$24,000

Average commercial water damage claim
Sonucu, 2024

70%

Of construction litigation driven by water intrusion
Architect Magazine, 2011

VERIFICATION & QUALITY ASSURANCE

☐ Can the conductive medium be independently verified before membrane installation?

☐ Can installation quality be visually confirmed and documented?

☐ Is there a reliable method for confirming continuity throughout the assembly?

☐ Can project photos be used to demonstrate complete conductive coverage?

▲ RISK FLAG If you could not confirm one or more items above, your selected medium may introduce testing reliability risk. A conductive medium that cannot be independently verified before the membrane is installed leaves the quality of the ELD test in question from day one. Consider consulting a testing specialist before the specification is finalized.

INSTALLATION CONSIDERATIONS

☐ Does the conductive medium require field application, mixing, or thickness control?

☐ Are manufacturer installation requirements clearly defined and easy to verify?

☐ Has a plan been established for addressing penetrations, transitions, drains, and other assembly details?

☐ Has the required level of contractor quality control been defined and communicated to the installation team?

▲ RISK FLAG If you could not confirm one or more items above, your project carries execution risk. Field-applied or contractor-dependent processes introduce variability that may compromise the conductive layer before the membrane is installed. A testing specialist can help identify where those gaps are most likely to occur on your specific assembly.

CONTINUED — ELD SPECIFICATION CHECKLIST

Documentation, Performance & Long-Term Reliability

Sections 3 and 4 address owner requirements, compliance documentation, and whether your selected medium will support the assembly over its full service life.

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DOCUMENTATION & OWNER REQUIREMENTS

☐ Has the owner's quality assurance documentation requirement been defined for this project?

☐ Will the project require commissioning, acceptance testing, or warranty validation?

☐ Has a method for documenting compliance with project specifications been established?

▲ **RISK FLAG** *If you could not confirm one or more items above, your project may carry contract or liability risk. Owners, warranty providers, and commissioning agents increasingly expect documented evidence of conductive medium installation. Gaps in that record are difficult to close once the membrane is in place.*

LONG-TERM PERFORMANCE

☐ Is the conductive medium compatible with the selected Electronic Leak Detection methodology?

☐ Has the system been successfully used on similar project types?

☐ Will the conductive medium support future ELD Leak Investigations?

☐ Does the selected solution align with the owner's long-term asset management strategy?

▲ **RISK FLAG** *If you could not confirm one or more items above, your project may carry long-term asset management risk. A conductive medium that cannot support future forensic testing limits the owner's ability to respond to leaks cost-effectively over the life of the assembly. A testing specialist can help you evaluate whether your selected medium will remain viable as the project ages.*

CONSULTANT TAKEAWAY

The goal is not simply to select a conductive medium. The goal is to select a conductive medium that can be installed, verified, documented, and tested with confidence. The more a project team can verify before the membrane is concealed, the less uncertainty remains throughout the life of the roofing or waterproofing assembly.

Not sure how your project scores? Honza Group can walk you through it.

Honza Group is an independent Electronic Leak Detection testing and consulting firm. We don't sell conductive mediums and we don't install membranes. Our only interest is in whether the assembly you specify can be tested reliably, documented thoroughly, and defended if questions arise later.

If your checklist raised questions, we're the right call before the spec goes out. — honzagroupinc.com