



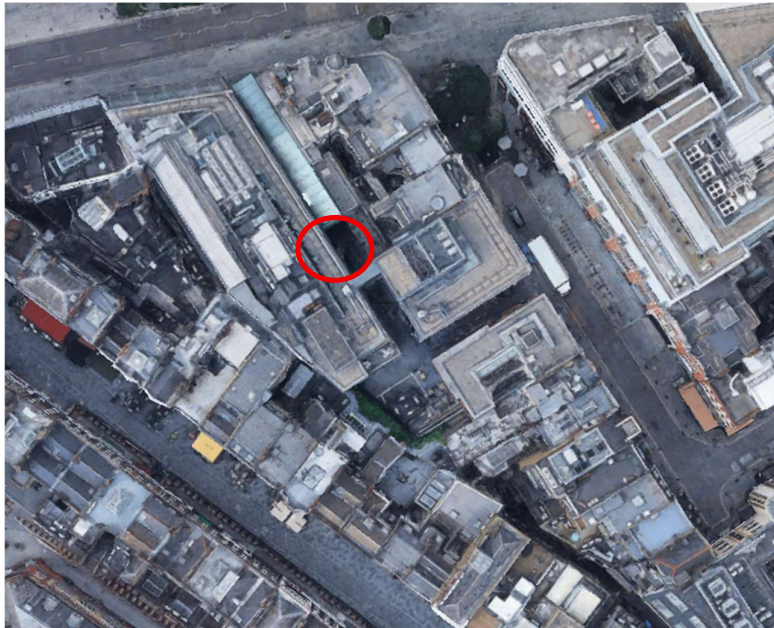
Electronic Leak Detection Survey

Site address:
Example Place
London
EXC

Survey Date:
27th February 2026

Client:
Example Client

Aerial View



Contents

Page 3 - Introduction

Page 3 - Survey Details

Page 3 - Equipment

Page 3 - Site History

Page 4 - Objective

Page 4 - Observations

Page 5 – Area prior to waterproofing application

Page 6 - Area after waterproofing application

Page 7 – Area 1 - ELD to field area

Page 8-9 - Area 2 – ELD to upstand detail area

Page 10 - Summary

Introduction

This report presents the findings of an Electronic Leak Detection (ELD) survey carried out at Example Place, London, EXC, on behalf of Example Client Limited. The survey was conducted on 27th February 2026 following the installation of the Example waterproof coating system to the concrete slab, which formerly served as a water feature.

Electronic Leak Detection is a non-destructive testing method used to identify breaches, pinholes, and lap failures within newly installed waterproof membranes prior to the application of overburden or protective finishes. Early detection of such defects is critical; once the waterproofing system is buried beneath overburden, any undetected failures can result in water ingress that is both costly and disruptive to remediate.

Survey details:

Given that the Example liquid system applied to this slab will ultimately be covered by new overburden, it was essential to verify the integrity of the membrane across all accessible areas, including the field area and upstand details, before those works proceed.

Where testing was not possible due to the conductive nature of the stainless steel drainage channel, a thorough visual inspection was undertaken as a supplementary measure.

Equipment

The survey was carried out using a Buckleys Dry Roof Pro2 ELD unit, which operates by applying a low-voltage electrical field across the membrane surface. Any breach in the waterproofing allows electrical conductivity between the substrate and the detector, triggering an alert and enabling precise location of the defect.

Site History:

The concrete area was formally a water feature which had been removed and various concrete repairs carried out. The repairs had been left for a suitable amount of time to allow the concrete to cure enough to receive the Example waterproof coatings. There was an existing GRP upstand to one site that had been overcoated with the Example Liquid. The stainless steel drainage channel ran the full length of the opposite side and was also had the small upstand to this overcoated using Example Liquid. The far end of the slab had an RSJ running the full width of the area which was also coated in the Example Liquid. The opposite end is where the slabs started. This had been repaired to form a neat upstand and was coated with the Example Liquid and stopped just short of the top of the slab. The main field area had been waterproofed using Example Liquid. This then had a second coat of Example liquid and was fully broadcasted with quartz.

This was swept prior to the ELD test.

Objective:

Once the new overburden has been installed, the Example waterproof system will become buried so it will be essential that there are no pin holes or lap failures in the system.

The Buckleys Dry Roof Pro2 will detect any breaches in the newly installed waterproof system which will be highlighted for rectification.

Observations:

Most of the area can be tested with no issues. However, the upper part of the stainless steel drainage could not be tested as it is fully conductive and would give false readings.

This did not stop us testing the lower junction between the slab and the upstand.



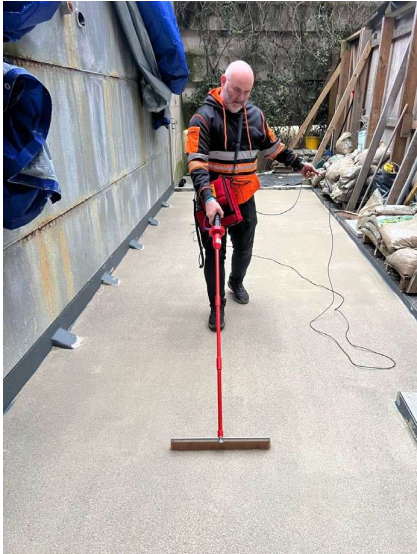
The above picture shows the concrete slab prior to any waterproofing works. Multiple repairs were carried out to facilitate the waterproofing works.



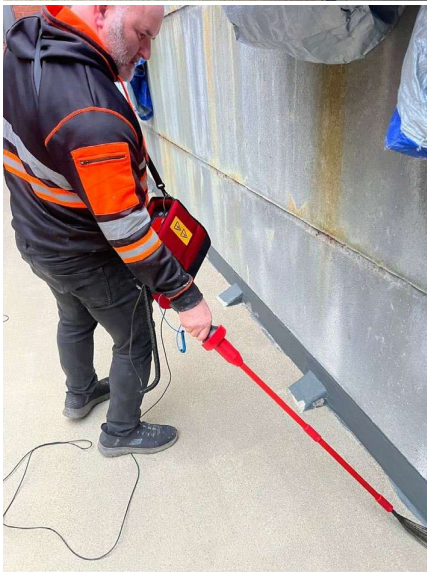
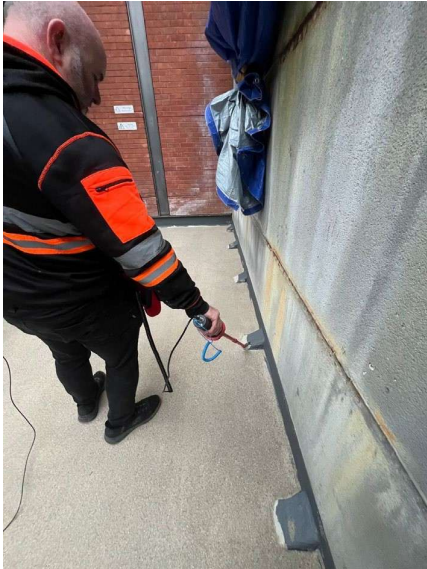
The above image shows the area fully waterproofed with the Example Liquid system including Example Liquid to the upstands.



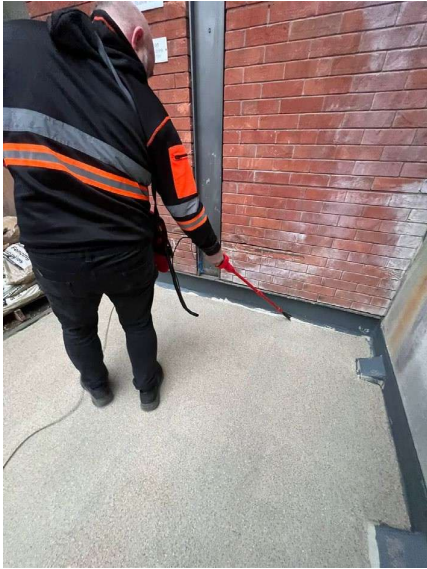
The above image shows the area fully broadcasted with quartz



The above images show the Buckley's Dry Roof Pro2 being carried out in the field area of the slab. No defects were found



The above images show the Buckley's Dry Roof Pro2 being carried out to the upstand detail of the slab. No defects were found.



The above image shows the Buckleys Dry Roof Pro2 being carried out to the RSJ section to the back of the slab. No defects were found.

Summary

Test Area 1 – Main field area

The Buckleys Dry Roof Pro2 Electronic Leak Detection equipment (ELD) found zero defects in the field area of the slab

Test area 2 – Upstand detail

The Buckleys Dry Roof Pro2 Electronic Leak Detection equipment (ELD) found zero defects in the upstand details.

All areas were checked and no defects in the Example Liquid waterproof system were present at the time of testing.

A visual inspection was carried out closer to the top of the stainless steel drainage channel and no defects were visible at the time of inspection.