

NON-INTRUSIVE INVESTIGATION FOR GROUT VOID DETECTION

Comprehensive, non-intrusive survey detected grout voids, ensuring the client could confirm their methods

OBJECTIVES

The client needed to ascertain whether their proposed grouting method would result in the successful filling of voids upon being poured into their main project. TRACE-SI was approached to determine a method to ensure the grout's integrity, non-intrusively. .

SOLUTIONS

RACE-SI designed a bespoke, non-intrusive survey focusing on two Grout Trial Panels, aiming to determine the presence or absence of voids within the grout. Given the specific nature of the problem, TRACE-SI employed specialised techniques, which allowed for accurate detection of any inconsistencies in the grout.

The methodology successfully detected control voids in the test blocks, validating its efficacy. Post-analysis identified regions of voiding and potential honeycombing in the panels, offering a clear insight into the grout pouring success. .

BENEFITS

- TRACE-SI's thorough approach ensured the trial panels could be fully analysed for features
- The results reaffirmed the client's trust in TRACE-SI's expertise, offering them actionable insights for their main project.
- The investigation identified the known voids and areas of potential concern like honeycombing, enabling the client to strategize for better outcomes in future applications.
- With a non-intrusive approach, the client could gain valuable insights without the need for extensive manual probing or damaging the trial panels.

