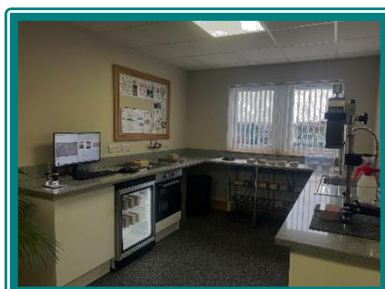
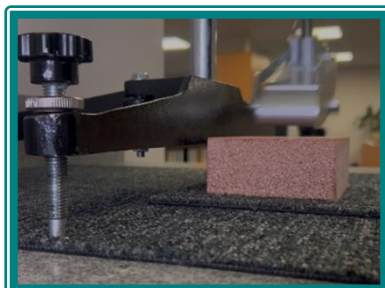


Stone Testing and Analysis

by Cumbrian Stone Ltd

Professional Services

Design, Training and Specialist Consultancy



Testing on Your Specific Project

Many natural stone projects go ahead based on the available accredited test data alone, and additional testing or monitoring is not required by the design team. However on larger projects or projects where consistency and performance are key factors some customers prefer the peace of mind of having additional testing carried out at the onset of their project and periodically throughout the build.

At Cumbrian Stone we can offer the following services for additional stone testing and monitoring on your project:

Enhanced In-House Monitoring

Alongside our regular, random sampling from our production lines, we can take additional samples for testing in our laboratory as your order progresses through our production process. The data from these tests is provided in an individual report for each sample, allowing for easy comparison to the original accredited test data.

Pre-Start and Intermittent Accredited Testing

We work alongside several accredited laboratories who can provide current testing data for our stones at the onset of a project if required. This helps ensure that the expected performance of your chosen stone is up to date and not based on information that may be several years old.

Accredited Laboratory Testing

Just like any other building material, natural stone has to meet specific requirements in order to be safely used as a building material. If the chosen stone doesn't have the required strength or density for its intended use this could result in a dangerous and costly failure of the finished stone unit in the future.

In order to ensure that all of our natural stones meet the required standards for the components we produce we send samples of each of our stones to be tested by an accredited, independent laboratory on a regular basis. The results from these tests give us a clear snapshot of the quarry properties at the time of testing and give us a benchmark to monitor our stones against.

In-House Consistency Testing

In addition to the mandatory accredited testing and as part of our commitment to quality control we carry out regular in-house testing across our entire range of natural stones.

These tests include density, porosity, water absorption, compressive strength, slip resistance, thermal shock and freeze thaw testing, and the results from these tests give us a clear picture of any variation in performance from the quarry compared to the last set of accredited results, allowing us to react to any unexpected changes quickly if required.

Key Considerations

Generally, additional testing over and above the legal requirements is unnecessary on many projects, and our in-house consistency testing gives our customers peace of mind that our stones are meeting the declared quality standards throughout their project. We do also recommend project specific testing on specific projects, such as public realm paving schemes and large developments where projects may run over several months or years.