

Concrete Cube Making, Collecting and Testing

Concrete cube failure costs contractors a phenomenal amount of money every year. It can be shown that with a large proportion of cube test failures, some deviation from BS:EN 12390 has occurred in the on-site sampling, compaction and curing procedures.

Our trained technicians, who can be mobilised at short notice to visit sites, will carry out the sampling and making of concrete test cubes, which are cured and tested in strict accordance with BS:EN 12390 at our UKAS accredited laboratory.

Cube failure costs money due to losses:

Caused by delay;

- Due to penalties imposed by promoters under the terms of contract;
- Due to extra costs incurred by further investigation upon cube test failure;
- Due to costs incurred through litigation;
- Due to costs incurred through the possible removal and replacement of defective concrete.

What makes us different?

We care about what we do. And that means we care about your business. If we give you a time, we will be there as promised....on time....every time. . And that goes for our reports too. Reliability is as important to us as it is to you.

For advice and Services on any issues relating to the Concrete Cubes please contact

Lester Eley

T: 01332 383333

E: lester.eley@kiwa.com

or alternatively you can speak to any member of the Concrete department on the same number.

www.kiwa.co.uk/cmt



Good Advice - Complete Service

Our accreditations speak for themselves
Kiwa CMT Testing is a UKAS accredited Laboratory.
Details of tests included in our current schedule can be seen at www.ukas.org.

We are also CHAS accredited and Constructionline registered so you know you can depend on our credentials.



Did you Know?

Full compaction of a test cube is vital: For each 1% loss of compaction, 5-10% of potential strength is lost.

Correct and early curing is critical: As much as 50% of a 7 day strength and 10% of 28 day strength may be lost by incorrect procedure.

Concrete Cubes cured at 4°C will only achieve 75% of the correctly cured 28 day equivalent.

Wet Concrete: If samples are taken from collapse slump concrete, the additional water content over 50mm slump can cause a loss in strength proportional to 30% voids, where as its effect upon density is to cause a reduction of only 1.7%.

Damage to Cubes: Loss in strength due to physical damage can be quite substantial and is dependent on the nature and degree of damage. Losses of up to 20% are not unusual for apparent minimal damage.

Shape: Misshapen cubes are the result of distorted or incorrect cube moulds, failure to tighten bolts etc, and can result in a strength of loss up to 15%.

Call the team for advice or to book a fast efficient and cost effective cube make or collection and test. We are eager to help.

Other Kiwa CMT Services Include:

Contaminated Land
Chemical Analysis
Building Products
Lighting Column Testing
Sports Stadia Barrier Testing

Offsite Disposal
Concrete & Mortar
Geotechnical Investigations
Structural Investigations

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