

FIELD TESTING CHECKLIST

TOOLS FOR CONCRETE CYLINDER SUCCESS!



1. CERTIFICATION

☐

Field testing personnel has a valid ID card of either:

- a. CCIL Certified Field Testing Technician
- b. ACI Concrete Field Testing Technician—Grade 1

2. CONCRETE SAMPLING & CYLINDER MOULDING

☐

A) The concrete is sampled according to CSA A23.2-1C and the specimens are cast in as close proximity as is practicable to the place where they are to be stored during the first $28\text{ h} \pm 8\text{ h}$.

☐

B) The specimens are moulded as per CSA A23.2-3C on a level, rigid, horizontal surface free from vibration and other disturbances.

3. PROTECTION

☐

After casting, the specimens are immediately covered with a non-absorptive, non-reactive plate or placed in an impervious plastic bag to prevent evaporation of water from the unhardened concrete.

4. MOVING CYLINDERS

☐

When moving the specimens, avoid all jarring, striking, tilting, and deformation of the concrete specimens or scarring of the surface.

5. INITIAL CURING

☐

Store the specimens in a controlled environment that will maintain the temperature between 15°C and 25°C for the first 20 hours.

6. TRANSPORTATION

☐

Transport the test specimens from the field to the laboratory only after curing for a minimum of 20 hours and protect the test specimens during transportation, from any shocks or exposure to adverse conditions.

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DATE (dd/mm/yy)

Project/Location:

Tester/Lab:

Identify Issue (circle all that apply):

1

2A

2B

3

4

5

6

NOTES

(Important information should also be noted on the delivery ticket)

IMPORTANT

Unless otherwise agreed, test results shall be provided to the owner, contractor, and concrete supplier within five working days of completion of the test, as per the Reporting requirements of CSA A23.2-25C.

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