
THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE BILL

No. 2276 Session of
2020

INTRODUCED BY ECKER AND ZIMMERMAN, FEBRUARY 5, 2020

REFERRED TO COMMITTEE ON LABOR AND INDUSTRY, FEBRUARY 5, 2020

AN ACT

1 Providing for requirements for sampling and initial curing of
2 concrete samples on commercial construction projects.

3 The General Assembly of the Commonwealth of Pennsylvania
4 hereby enacts as follows:

5 Section 1. Short title.

6 This act shall be known and may be cited as the Reliable
7 Acceptance Testing of Concrete Act.

8 Section 2. Definitions.

9 The following words and phrases when used in this act shall
10 have the meanings given to them in this section unless the
11 context clearly indicates otherwise:

12 "ACI." The American Concrete Institute.

13 "ASTM." ASTM International.

14 "Contractor." A person, firm or corporation with which an
15 owner enters into an agreement for the construction of a
16 project.

17 "Department." The Department of Labor and Industry of the
18 Commonwealth.

1 "Owner's testing agency." A firm or entity under contract
2 with an owner to provide testing services for quality assurance
3 and compliance with the requirements of ASTM C1077.

4 Section 3. Sampling and initial curing of concrete samples.

5 (a) General rule.--A contractor and owner's testing agency
6 shall provide for the casting of concrete test specimens for the
7 purpose of acceptance of concrete and for the initial curing of
8 concrete test specimens at a project site on commercial
9 construction projects as provided under this section.

10 (b) Duties of owner's testing agency.--The owner's testing
11 agency shall:

12 (1) Obtain samples of concrete in accordance with ASTM
13 C172 and cast test specimens in accordance with ASTM C31.

14 (2) Cure test specimens, monitor and report curing
15 conditions for conformance with the requirements of ASTM C31
16 and as provided under this section.

17 (3) Provide a container for the storage of test
18 specimens at the project site that will facilitate
19 conformance to the storage and initial curing requirements of
20 ASTM C31.

21 (4) Store the test specimens in the initial curing
22 container and maintain the required temperature and moisture
23 conditions during the initial curing period as defined in the
24 standard curing requirements of ASTM C31.

25 (5) Transport test specimens from the project site to
26 the testing location in accordance with the requirements of
27 ASTM C31.

28 (6) Maintain the test specimens at a laboratory in
29 accordance with the final curing section for standard curing
30 in the requirements of ASTM C31.

1 (7) Test the specimens for strength in accordance with
2 the requirements of ASTM C39.

3 (c) Duties of contractor.--A contractor shall provide power
4 (110v), water, space for the initial curing container for use by
5 the owner's testing agency, security and timely access to the
6 storage location of the concrete test specimens.

7 (d) Initial curing of test specimens.--The initial curing of
8 test specimens shall be conducted as follows:

9 (1) The initial curing environment surrounding test
10 specimens shall be monitored by a digital system that records
11 temperature at least every hour, within the range of 30
12 degrees Fahrenheit to 120 degrees Fahrenheit and to an
13 accuracy of 1 degree Fahrenheit, and provide software to
14 access the stored data.

15 (2) When requested, the output from the automated
16 temperature measuring device shall be made available in real
17 time to the contractor, concrete supplier, concrete special
18 inspector, licensed design professional and building code
19 official. The output from the automated temperature device
20 shall be included in the concrete strength report issued by
21 the owner's testing agency.

22 (e) Technician requirements.--Sampling, casting of test
23 specimens and providing, maintaining and monitoring of initial
24 curing shall be conducted by a technician holding a current ACI
25 Grade I Concrete Field Testing Technician certification.

26 (f) Final curing and testing of specimens.--Final curing and
27 testing of specimens for strength shall be done in accordance
28 with the requirements of ASTM C31 and ASTM C39 by a technician
29 holding a current ACI Concrete Strength Testing Technician
30 certification.

1 Section 4. Enforcement.

2 The department shall enforce the provisions of this act.

3 Section 5. Penalties.

4 A person who violates this act shall be subject to the
5 following:

6 (1) For a first violation, a warning.

7 (2) For a second violation, a fine of \$500.

8 (3) For a third violation, a fine of \$1,000 and
9 inclusion on a list of violators posted on the department's
10 publicly accessible Internet website for a period of one
11 year.

12 (4) For a fourth and subsequent violation, a fine of
13 \$2,000 and inclusion on a list of violators posted on the
14 department's publicly accessible Internet website for a
15 period of one year for each violation.

16 Section 6. Effective date.

17 This act shall take effect in 60 days.