

3460100 STRUCTURAL PORTLAND CEMENT CONCRETE
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (Industry 6-3-21)

It appears the 346 specification is now requiring the resolution cylinders to be held for 30 days. Previous specifications had this at 14 days which was not an issue in reference to storing cylinders in cure rooms. However, with this specification now stating 30 days will create an issue with space for most testing laboratories. This will require them to build new facilities to store these cylinders. The small change will create a cost to those labs that previously was not needed with the 14 day specification.

Response:

Brian Price

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Comments: (Industry 6-7-21)

Why was the below removed from 346-9.6 Resolution Procedure- When the Engineer cannot determine which strength test results are the most accurate, the concrete represented by the four consecutive LOTs will be evaluated based on the QC data. The Engineer will inform the QC and VT laboratories within three calendar days of the acceptance compressive strength test to transport their QR and VR cylinders to the resolution laboratory. The QC and VT laboratories will transport their own hold cylinders to the resolution testing laboratory within three calendar days after the Engineer notifies the Contractor that a resolution procedure is required. In addition, the Engineer will ensure that the QR and VR cylinders are tested within 14 calendar days of the acceptance strength tests What is the timeline for testing the hold cylinders now?

Response:

Deborah Ihsan

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Comments: (Industry 6-24-21)

3460100 Structural Portland Cement Concrete- Comment: Section 346-3.3 has used (w/cm) for notating the acronym for water cement ratio. This may be corrected as (w/c) which is the acronym widely used in the industry.

Response:

Jeff O'Leary

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Comments: (Industry 7-1-21)

Section 346: • 3.2 – The language is a little confusing, but assume the results will not be held to higher strength for acceptance?

• 9.1 – The section doesn't specifically state to enter the results within 24 hrs. The current language would allow a group of 50 tests on one day to be entered on a daily basis over 50 days.

Change to "...and Certification (MAC) system within 24 hours after testing." Or simply state that all results are entered on the day they are tested.

10.1 – the requirement to report core results within 7 days of obtaining the core would allow core testing in as little as 1 day after coring? ASTM C 42 standard cure of 5 days should be the standard curing time to be followed. Change to "Report within two calendar days of testing the core samples"

Response:

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Comments: (Industry 7-1-21)

346.9 Top of page 11 -Ensure the QC testing laboratory input the compressive strength test results into the Department's Materials Acceptance and Certification (MAC) system on daily basis after testing. Notify the Engineer when results cannot be inputted into MAC. Can we say 'within 24 hours' rather than 'on a daily basis'?

346-10.21 Report the test results to the Engineer within seven calendar days of obtaining the core samples. Can this be adjusted to 'report the test results to the Engineer within two days of testing'? Although C42 does allow testing in a time period other than 5 days, this should not be the norm and only done when necessary. The change to 'within two days of testing' would still defer to C42 for the duration of lab time for the core sample prior to testing.

Response:
