



WSDOT Test Method T 818

Air Content of Freshly Mixed Self-Compacting Concrete by the Pressure Method

1. The air test will be performed in accordance with WSDOT FOP for WAQTC T 152 with the following modifications to the procedure:
 - a. Change item 3 to read: Fill the base completely in one lift.
Note: Filling the base with concrete by using multiple scoops or by pouring from a bucket or similar container has been found to be acceptable.
 - b. Change item 4 to read: Do not consolidate the concrete by rodding, vibration, or tamping. When the base is filled, lightly tap around the exterior of the base with a rubber mallet to allow entrapped air bubbles to escape.
 - c. Delete items 5 through 11.

Performance Exam Checklist

Air Content of Freshly Mixed Self Compacting Concrete by the Pressure Method WSDOT T 818

Participant Name _____ Exam Date _____

Procedure Element

Yes No

1. The tester has a copy of the current procedure on hand?
2. All equipment is functioning according to the test procedure, and if required, has the current calibration/verification tags present?
3. Container filled in one layer, slightly overfilling?
4. Sides of the container lightly tapped with the mallet?
5. Concrete struck off level with top of container using the bar and rim cleaned off?
6. Inside of cover cleaned and moistened before clamping to base?

Using a Type B Meter

7. Both petcocks open?
8. Air valve closed between air chamber and the bowl?
9. Water injected through petcock until it flows out the other petcock?
10. Water injection into the petcock continued while jarring and tapping the meter to insure all air is expelled?
11. Air pumped up to initial pressure line?
12. A few seconds allowed for the compressed air to stabilize?
13. Gauge adjusted to the initial pressure?
14. Both petcocks closed?
15. Air valve opened between chamber and bowl?
16. Sides of bowl tapped with the mallet?
17. Air percentage read after lightly tapping the gauge to stabilize the hand?
18. Air valve closed and then petcocks opened to release pressure before removing the cover?
19. Air content recorded to 0.1 percent?
20. All calculations performed correctly?

First Attempt: Pass Fail

Second Attempt: Pass Fail

Signature of Examiner _____

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Comments: