

Hardened Concrete Properties

KT-76 Method For Testing The Compressive Strength Of Molded Cylindrical Concrete Specimens

Revised July 2023

Two attempts may be made by the applicant. The applicant may stop themselves once and not have that count as one of the two attempts. If the applicant stops voluntarily, draw a line at that point and note that the applicant stopped themselves then restart at the top of the next attempt.

Applicant: _____

CIT #: _____

Employer: _____

		1st Test		Stopped Test		Re-Test	
	Scope						
	Capping						
1.	Cap the specimen according to the procedures contained in KT-77. (7.1.)	PASS	FAIL	PASS	FAIL	PASS	FAIL
	Determining the Size of the Specimen						
2.	Take two measurements of the diameter at right angles to the nearest 0.01 in. Average the two measurements (5.1)(5.2)	PASS	FAIL	PASS	FAIL	PASS	FAIL
3.	Take three measurements of the length at 3 intervals. Average the three measurements. (7.2.)	PASS	FAIL	PASS	FAIL	PASS	FAIL
	Testing						
4.	Wipe clean the bearing faces of the upper- and lower-bearing blocks and of the test specimen and place the test specimen on the lower bearing block. (8.2)	PASS	FAIL	PASS	FAIL	PASS	FAIL
5.	As the spherically-seated block is brought to bear on the specimen, rotate its movable portion gently by hand so that uniform seating is obtained.	PASS	FAIL	PASS	FAIL	PASS	FAIL
6.	Prior to testing the specimen, verify that the load indicator is set to zero. (8.3)	PASS	FAIL	PASS	FAIL	PASS	FAIL

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		1st Test		Stopped Test		Re-Test	
7.	<u>Rate of Loading - Apply the load continuously and without shock. Apply the compressive load at a rate of 35 +/- 7 psi/s until the specimen displays a well-defined fracture pattern. Record the maximum load carried by the specimen during the test and note the type of fracture pattern. (8.4., 8.4.4.)</u>	PASS	FAIL	PASS	FAIL	PASS	FAIL

Overall Score

Circle One

1st Test

Stopped Test

Re-Test

PASS

PASS

PASS

FAIL

FAIL

FAIL

Witness Examiner:

(First Try)

Signature

Date

Witness Examiner:

(Stopped Try)

Signature

Date

Witness Examiner:

(Re-Test)

Signature

Date