

MP 711.03.25
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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
MATERIALS CONTROL, SOILS AND TESTING DIVISION
MATERIALS PROCEDURE

AIR CONTENT OF FRESHLY MIXED CONCRETE BY THE CHACE INDICATOR

1.0 PURPOSE

- 1.1 The purpose of this procedure is to identify the method of test for AIR CONTENT OF FRESHLY MIXED CONCRETE BY THE CHACE INDICATOR as being AASHTO Designation: T-199, and to provide specific instructions regarding the application of this method of test to highway work.

2.0 SCOPE

- 2.1 The instructions contained herein shall be followed in all instances for both Quality Control and Acceptance testing when method of test AASHTO T-199 is being used to determine the AIR CONTENT OF FRESHLY MIXED CONCRETE which is to be used in highway work.

3.0 INSTRUCTIONS

- 3.1 Alcohol - Where the test method specified denatured or isopropyl alcohol, it shall be interpreted to mean denatured or 70% isopropyl alcohol. (For practical purposes the 70% isopropyl alcohol may be produced by mixing 70 3/4 parts by volume of isopropyl alcohol with 30 3/4 parts of volume water.

- 3.2 Averaging Determinations - The test method states the following:

"...if three or more determinations are made with the chace indicator, the average value of these determinations can be expected to furnish a suitable indication of the relative amount of beneficially entrained air in the concrete."

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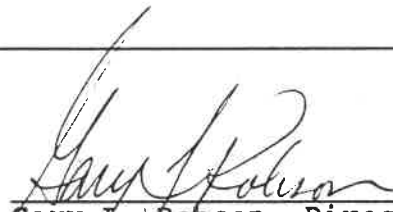
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- 3.3 It is hereby declared that all tests made with the chace indicator shall be the average of three (3) determinations. The value of each of the three (3) determinations and the test average should be recorded on the work sheet.
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Gary L. Robson, Director
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