
Standard Method of Test for Pore Index for Carbonate Coarse Aggregate

AASHTO Designation: T 417-24¹

Adopted without Revisions: 2024

Technical Subcommittee: 1c, Aggregates



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1. SCOPE
- 1.1.

This test method covers the determination of the pore index values for carbonate (limestone and dolomite) coarse aggregate for Portland Cement (PC) Concrete.
- 1.2.

The values stated in SI units are to be regarded as the standard.
- 1.3.

This standard does not purport to address all of the safety concerns associated with its use. It is the responsibility of the user of this procedure to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to its use.
- 1.4.

The quality of the results produced by this standard is dependent on the competence of the personnel performing the procedure and the capability, calibration, and maintenance of the equipment used. Agencies that meet the criteria of R 18 are generally considered capable of competent and objective testing/sampling/inspection/etc. Users of this standard are cautioned that compliance with R 18 alone does not completely assure reliable results. Reliable results depend on many factors; following the suggestions of R 18 or some similar acceptable guideline provides a means of evaluating and controlling some of those factors.

2. REFERENCED DOCUMENTS
- 2.1.

AASHTO Standards:
 - M 231, Weighing Devices Used in the Testing of Materials
 - M 339M/M 339, Thermometers Used in the Testing of Construction Materials
 - R 18, Establishing and Implementing a Quality Management System for Construction Materials Testing Laboratories
- 2.2.

ASTM Standards:
 - E1, Standard Specification for ASTM Liquid-in-Glass Thermometers
 - E230/E230M, Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
 - E2877, Standard Guide for Digital Contact Thermometers
- 2.3.

International Electrotechnical Commission Standard:
 - IEC 60584-1:2013, Thermocouples - Part 1: EMF Specifications and Tolerances
- 2.4.

Other Document:
 - Myers, J. D., and W. Dubberke. *Iowa Pore Index Test*. Interim Report ML80-02. Iowa Department of Transportation, Ames, IA, 1980.