Ready-mixed concrete is the primary product used for the construction of buildings and transportation infrastructure. Ready-mixed concrete is defined as concrete that is manufactured and delivered to a purchaser in a fresh state. ASTM C94/94M, Specification for Ready-Mixed Concrete, is a material specification that addresses the joint and separate responsibilities of the purchaser and manufacturer of ready-mixed concrete and those involved in testing the product for quality control and quality assurance. ASTM C94/C94M is invoked by reference in the ACI 318 Building Code Requirements for Structural Concrete and ACI 301 Specifications for Structural Concrete published by the American Concrete Institute as well as in most project specifications.

This compilation includes 43 specifications, practices, and test methods referenced in ASTM C94/C94M and additional ASTM standards that are relevant to those involved in specifying, purchasing, manufacturing, testing, and supplying ingredient materials for ready-mixed concrete. This compilation is also relevant to other methods of producing hydraulic cement concrete, such as precast and site mixed concrete. The standards in this compilation are referenced in ACI 318 and ACI 301 as they are applicable to concrete materials and testing.


ASTM C94/C94M was first approved in 1933 and is under the jurisdiction of Subcommittee C09.40 on Ready-Mixed Concrete in ASTM Committee C09 on Concrete and Concrete Aggregates. The ultimate goal of this specification is to establish industry consensus standards for quality of the product and to protect the interests of those who supply materials and equipment, and who manufacture, test, and purchase ready-mixed concrete.

Users of this compilation are encouraged to provide comments and suggestions to the subcommittees that produce the standards included in this compilation. These suggestions should be addressed to C09 Staff Manager, ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428.

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