



Standard Practice for Making and Curing Soil-Cement Compression and Flexure Test Specimens in the Laboratory¹

This standard is issued under the fixed designation D1632; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This practice covers the procedure for making and curing compression and flexure test specimens of soil-cement in the laboratory under accurate control of quantities of materials and test conditions.

1.2 The values stated in SI units are to be regarded as the standard. The inch-pound equivalents are shown for information only.

1.3 *This practice offers a set of instructions for performing one or more specific operations. This document cannot replace education or experience and should be used in conjunction with professional judgment. Not all aspects of this practice may be applicable in all circumstances. This ASTM standard is not intended to represent or replace the standard of care by which the adequacy of a given professional service must be judged, nor should this document be applied without consideration of a project's many unique aspects. The word "Standard" in the title of this document means only that the document has been approved through the ASTM consensus process.*

1.4 *This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

- C127** Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
- C617** Practice for Capping Cylindrical Concrete Specimens

¹ This practice is under the jurisdiction of ASTM Committee D18 on Soil and Rock and is the direct responsibility of Subcommittee D18.15 on Stabilization With Admixtures.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

- D558** Test Methods for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures
- D559** Test Methods for Wetting and Drying Compacted Soil-Cement Mixtures (Withdrawn 2012)³
- D560** Test Methods for Freezing and Thawing Compacted Soil-Cement Mixtures (Withdrawn 2012)³
- D653** Terminology Relating to Soil, Rock, and Contained Fluids
- D1633** Test Methods for Compressive Strength of Molded Soil-Cement Cylinders
- D1634** Test Method for Compressive Strength of Soil-Cement Using Portions of Beams Broken in Flexure (Modified Cube Method)
- D1635** Test Method for Flexural Strength of Soil-Cement Using Simple Beam with Third-Point Loading
- D3740** Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction
- D4753** Guide for Evaluating, Selecting, and Specifying Balances and Standard Masses for Use in Soil, Rock, and Construction Materials Testing
- D6026** Practice for Using Significant Digits in Geotechnical Data
- E11** Specification for Woven Wire Test Sieve Cloth and Test Sieves

3. Terminology

3.1 For common definitions of terms used in this standard refer to Terminology **D653**.

4. Significance and Use

4.1 This practice is used to prepare soil-cement specimens for compressive and flexural strength testing in accordance with Method B of Test Method **D1633**, Test Method **D1634**, and Test Method **D1635**.

4.2 This practice does not apply to soil-cement specimens prepared in commonly available molds, which are 4.0 in. (101.6 mm) in diameter and 4.584 in. (116.4 mm) in height. For these size specimens, Methods **D559** or Methods **D560**

³ The last approved version of this historical standard is referenced on www.astm.org.

*A Summary of Changes section appears at the end of this standard