



Designation: C 413 – 9601

Standard Test Method for Absorption of Chemical-Resistant Mortars, Grouts, and Monolithic Surfacing, and Polymer Concretes¹

This standard is issued under the fixed designation C 413; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This test method covers the determination of the absorption of chemical-resistant mortars, grouts, and monolithic surfacings, and polymer concretes. These materials may be based on resin, silicate, silica, or sulfur binders.

1.2 Mold Method A is used for systems containing aggregates less than 0.0625 in. (1.6 mm) in size. Mold Method B is used for systems containing aggregates from 0.0625 to 0.4 in. (1.6 to 10 mm) in size. Mold Method C is used for systems containing aggregates larger than 0.4 in.

1.3 The values stated in inch-pound units are to be regarded as the standard. ~~The values~~ Within this text, the SI units shown in parentheses are given for information only.

1.34 *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:*

C 470 Specification for Molds for Forming Concrete Test Cylinders Vertically²

¹ This test method is under the jurisdiction of ASTM Committee C-3 C03 on Chemical-Resistant Nonmetallic Materials and is the direct responsibility of Subcommittee C03.01 on Test Methods.

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