



Designation: ~~C1305—08~~ **C1305/C1305M – 16**

Standard Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane¹

This standard is issued under the fixed designation ~~C1305~~; **C1305/C1305M**; 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 test method covers a laboratory procedure for determining the ability of a waterproofing membrane to bridge a crack in the substrate.

1.2 There are no ISO standards similar or equivalent to this ASTM standard.

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values ~~given in parentheses are mathematical conversions to inch-pound units that are provided for information only and are not considered standard.~~ stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

1.4 *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

~~C33~~**C333/C333M** Specification for Concrete Aggregates

~~C150~~**C150M** Specification for Portland Cement

C717 Terminology of Building Seals and Sealants

C1375 Guide for Substrates Used in Testing Building Seals and Sealants

3. Terminology

3.1 *Definitions*—Refer to Terminology **C717** for definitions of technical terms used in this test method.

4. Summary of Test Method

4.1 This test method consists of casting five specimens of membrane on mortar substrates containing a preexisting crack and allowing them to age 14 days at standard conditions followed by seven days in an air-circulating oven at 70°C (158°F),¹ placing them in a test machine, and subjecting the assembly to ten cycles of movement.

5. Significance and Use

5.1 This test method is used to indicate a waterproofing membrane's ability to maintain its integrity while bridging a preexisting crack in the substrate at low ambient temperatures, when the membrane is least likely to be flexible.

6. Comparison to Other Standards

6.1 The committee with jurisdiction over this standard is not aware of any comparable standards published by other organizations.

¹ This test method is under the jurisdiction of ASTM Committee **D08** on Roofing and Waterproofing and is the direct responsibility of Subcommittee **D08.22** on Waterproofing and Dampproofing Systems.

Current edition approved ~~Dec. 15, 2008~~ Nov. 1, 2016. Published ~~January 2009~~ November 2016. Originally approved in 1995. Last previous edition approved in ~~2006~~ 2008 as ~~C1305—06~~ **C1305—08**. DOI: ~~10.1520/C1305-08~~ [10.1520/C1305_C1305M-16](https://doi.org/10.1520/C1305_C1305M-16).

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.