



Designation: C836/C836M – 18 (Reapproved 2022)

Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course¹

This standard is issued under the fixed designation C836/C836M; 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 specification describes the required properties and test methods for a cold liquid-applied elastomeric-type membrane, one- or two-component, for waterproofing building decks and walls subject to hydrostatic pressure in building areas to be occupied by personnel, vehicles, or equipment. This specification applies only to a membrane system that will be covered with a separate wearing course, traffic course, or backfill.

NOTE 1—See Guides C898/C898M and C1471/C1471M for proper application of membrane.

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 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 nonconformance 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This specification 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.

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2. Referenced Documents

2.1 ASTM Standards:²

- C794 – 06 Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants
- C898/C898M Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Separate Wearing Course
- C1305/C1305M Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane
- C1375 Guide for Substrates Used in Testing Building Seals and Sealants
- C1471/C1471M Guide for the Use of High Solids Content Cold Liquid-Applied Elastomeric Waterproofing Membrane on Vertical Surfaces
- C1522 Test Method for Extensibility After Heat Aging of Cold Liquid-Applied Elastomeric Waterproofing Membranes
- D1079 Terminology Relating to Roofing and Waterproofing
- D2240 Test Method for Rubber Property—Durometer Hardness
- D6511/D6511M Test Methods for Solvent Bearing Bituminous Compounds

3. Terminology

3.1 *Definitions*—Refer to Terminology D1079 for definitions of the terms used in this specification.

4. Classification

4.1 Types:

4.1.1 *Type I*—A one-component, cold liquid-applied waterproofing material suitable for immediate application after mixing. Type I products may be used with an accelerator that is beneficial but not essential for curing of the membrane.

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.