



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 C 836; 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 reappraisal. A superscript epsilon (ε) indicates an editorial change since the last revision or reappraisal.

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

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 above which a separate wearing or traffic course will be applied.

NOTE 1—See Guide C 898 and Guide C 1471 for proper application of membrane.

1.2 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 *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.*

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

2. Referenced Documents

2.1 ASTM Standards:

C 717 Terminology of Building Seals and Sealants²

C 794 Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants²

C 898 Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Separate Wearing Course²

C 1250 Test Method for Nonvolatile Content of Cold Liquid-Applied Elastomeric Waterproofing Membranes²

C 1305 Test Method for Crack Bridging Ability of Liquid-

Applied Waterproofing Membrane²

C 1375 Guide for Substrates Used in Building Seals and Sealants²

C 1471 Guide for the Use of High Solids Content Cold Liquid-Applied Elastomeric Waterproofing Membrane on Vertical Surfaces²

C 1522 Test Method for Extensibility After Heat Aging of Cold Liquid-Applied Waterproofing Membranes²

D 2240 Test Method for Rubber Property—Durometer Hardness³

2.2 Other Standards:

CAM/CGSB-37.58 Membrane, Elastomeric, Cold-Applied Liquid, for Non-Exposed Use in Roofing and Waterproofing⁴

3. Terminology

3.1 *Definitions*—Refer to Terminology C 717 for definitions of the terms used in this standard.

4. Comparison to Other Standards

4.1 The committee with jurisdiction over this standard is aware of one comparable standard published by another organization. CAM/CGSB-37.58 has differences including a test method for Dimensional Stability and Water Absorption.

5. Physical Requirements

5.1 *Material*—Membrane materials shall cure, after application by spreading or spraying, to form an elastomeric film capable of maintaining a seal against liquid water.

5.2 The physical, mechanical, and performance properties of the membrane shall conform to the requirements described in Table 1.

6. Test Methods

6.1 *Standard Conditions*—Standard conditions for all tests shall be $23 \pm 2^\circ\text{C}$ ($73.4 \pm 3.6^\circ\text{F}$) and $50 \pm 5\%$ relative humidity.

¹ This specification is under the jurisdiction of ASTM Committee C24 on Building Seals and Sealants and is the direct responsibility of Subcommittee C24.80 on Building Deck Waterproofing Systems.

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² *Annual Book of ASTM Standards*, Vol 04.07.

³ *Annual Book of ASTM Standards*, Vol 09.01.

⁴ Canadian General Standards Board, Ottawa, Canada, K1A 1G6.