

ASTM C-836

ASTM C836 - 06 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course

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Abstract

This specification describes the required properties and test methods for cold liquid-applied elastomeric-type membranes 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. After application by spreading or spraying, the membrane materials shall cure to form an elastomeric film capable of maintaining a seal against liquid water. Materials shall undergo appropriate tests and conform accordingly to the following requirements: hardness; weight loss; nonvolatile matter content; low temperature crack bridging; film thickness; adhesion-in-peel after water immersion; extensibility after heat aging; and storage stability.

This abstract is a brief summary of the referenced standard. It is informational only and not an official part of the standard; the full text of the standard itself must be referred to for its use and application. ASTM does not give any warranty express or implied or make any representation that the contents of this abstract are accurate, complete or up to date.

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 Guide C 898 and Guide C 1471 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 SI units are to be regarded as the standard. The values given in parentheses are for information only.

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

[C1250](#) Test Method for Nonvolatile Content of Cold Liquid-Applied Elastomeric Waterproofing Membranes

[C1305](#) Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane

[C1375](#) Guide for Substrates Used in Testing Building Seals and Sealants

[C1471](#) 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

[C717](#) Terminology of Building Seals and Sealants

[C794](#) Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants



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C898 Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Separate Wearing Course

D2240 Test Method for Rubber Property-Durometer Hardness

Index Terms

crack bridging; membrane; waterproofing; ICS Number Code 91.100.50; 91.100.50

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