



Designation: D8463/D8463M – 23

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

This standard is issued under the fixed designation D8463/D8463M; 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 one or two-component, cold liquid-applied elastomeric-type membrane comprised of silyl-terminated polyether polymer, silyl-terminated polyurethane polymer, or a blend of the two polymers for waterproofing building decks and walls subjected 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 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.

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

1.4 *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.*

2. Referenced Documents

2.1 ASTM Standards:²

- [C794](#) Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants
- [C836/C836M](#) Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- [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
- [D522/D522M](#) Test Methods for Mandrel Bend Test of Attached Organic Coatings
- [D1079](#) Terminology Relating to Roofing and Waterproofing
- [D2240](#) Test Method for Rubber Property—Durometer Hardness
- [D2939](#) Test Methods for Emulsified Bitumens Used as Protective Coatings (Withdrawn 2012)³
- [D5385/D5385M](#) Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- [D6511/D6511M](#) Test Methods for Solvent Bearing Bituminous Compounds

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 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.

³ The last approved version of this historical standard is referenced on www.astm.org.