



Standard Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with an Integral Wearing Surface¹

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1. Scope

1.1 This guide describes the design and installation of cold liquid-applied elastomeric waterproofing membrane systems that have an integral wearing surface. The cold liquid-applied elastomeric waterproofing membrane (membrane) to which this guide refers is specified in Specification [C957](#).

1.2 *Concrete Slab-on-Grade*—Waterproofing the upper surface of a concrete slab on grade presents special problems due to the possibility of negative hydrostatic pressure causing loss of bond to the substrate. Consideration of these problems is beyond the scope of this guide. Consult the membrane manufacturer for recommendations when this situation exists.

1.3 The committee having jurisdiction for this guide is not aware of any similar ISO standard.

1.4 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 non-conformance with the standard.

1.5 *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.* For specific hazard statements see [15.4](#).

2. Referenced Documents

2.1 ASTM Standards:²

[C33 Specification for Concrete Aggregates](#)

[C150 Specification for Portland Cement](#)

[C330 Specification for Lightweight Aggregates for Structural Concrete](#)

[C332 Specification for Lightweight Aggregates for Insulating Concrete](#)

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

[C755 Practice for Selection of Water Vapor Retarders for Thermal Insulation](#)

[C920 Specification for Elastomeric Joint Sealants](#)

[C957 Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane With Integral Wearing Surface](#)

[C962 Standards Guide for Use of Elastomeric Joint Sealants \(Withdrawn 1992\)³](#)

[C1193 Guide for Use of Joint Sealants](#)

[D653 Terminology Relating to Soil, Rock, and Contained Fluids](#)

[D1079 Terminology Relating to Roofing and Waterproofing](#)

[D1752 Specification for Preformed Sponge Rubber Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction](#)

[D2628 Specification for Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements](#)

2.2 *U.S. Department of Commerce Standard:*

[Product Standard PS 1-74 Construction and Industrial Plywood⁴](#)

2.3 *American Concrete Institute (ACI) Standard:*

[301-84 \(1985\) Specification for Structural Concrete for Buildings⁵](#)

2.4 *Steel Structures Painting Council (SSPC) Standards:*

[Steel Structures Painting Manual, Systems and Specifications:](#)

[Specification SSPC SP-2 Wire Brush Cleaning⁶](#)

¹ This guide is under the jurisdiction of ASTM Committee [D08](#) on Roofing and Waterproofing and is the direct responsibility of Subcommittee [D08.25](#) on Liquid Applied Polymeric Materials Used for Roofing and Waterproofing Membranes that are Directly Exposed to the Weather.

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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.

⁴ Available from National Institute of Standards and Technology (NIST), 100 Bureau Dr., Stop 1070, Gaithersburg, MD 20899-1070, <http://www.nist.gov>.

⁵ Available from American Concrete Institute (ACI), P.O. Box 9094, Farmington Hills, MI 48333-9094, <http://www.concrete.org>.

⁶ Available from Society for Protective Coatings (SSPC), 40 24th St., 6th Floor, Pittsburgh, PA 15222-4656, <http://www.sspc.org>.