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Standard Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with an Integral Wearing Surface[1]

This standard is issued under the fixed designation C 1127; 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 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 C 957.

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

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 Note in 15.4.

2. Referenced Documents

2.1 *ASTM Standards:*

C 33 Specification for Concrete Aggregates[2]

C 150 Specification for Portland Cement[3]

C 330 Specification for Lightweight Aggregates for Structural Concrete[2]

C 332 Specification for Lightweight Aggregates for Insulating Concrete[2]

C 717 Terminology of Building Seals and Sealants[4]

C 755 Practice for Selection of Vapor Retarders for Thermal Insulation[5]

C 920 Specification for Elastomeric Joint Sealants[4]

C 957 Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Integral Wearing Surface[4]

C 962 Guide for Use of Elastomeric Joint Sealants[6]

C 1193 Guide for Use of Joint Sealants[4]

D 653 Terminology Relating to Soil, Rock, and Contained Fluids[7]

D 1752 Specification for Preformed Sponge Rubber and Cork Expansion Joint Fillers for Concrete Paving and Structural Construction[8]

D 2628 Specification for Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements[8]

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

Product Standard PS 1-74 Construction and Industrial Plywood[9]

2.3 *American Concrete Institute (ACI) Standard:*

301-84 (1985) Specification for Structural Concrete for Buildings[10]

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

Steel Structures Painting Manual, Systems and Specifications:

Specification SSPC SP-2 Wire Brush Cleaning[11]

Specification SSPC SP-6 Commercial Blast Cleaning[11]

2.5 *American Plywood Association (APA) Standard:*

[1] This guide 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 04.02.

[3] *Annual Book of ASTM Standards*, Vol 04.01.

[4] *Annual Book of ASTM Standards*, Vol 04.07.

[5] *Annual Book of ASTM Standards*, Vol 04.06.

[6] Discontinued. See 1992 *Annual Book of ASTM Standards*, Vol 04.07. Replaced by C1193.

[7] *Annual Book of ASTM Standards*, Vol 04.08.

[8] *Annual Book of ASTM Standards*, Vol 04.03.

[9] Available from National Institute of Standards and Technology, Gaithersburg, MD 20899.

[10] Available from the American Concrete Institute, P.O. Box 19150, Detroit, MI 48219.

[11] Available from Steel Structures Painting Council, 4400 Fifth Ave., Pittsburgh, PA 15213.

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