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.

Designation: D315/D315M – 95 (Reapproved 2017)

Standard Specification for Woven Asbestos Tape[1]

This standard is issued under the fixed designation D315/D315M; 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 covers woven asbestos tape having a minimum of 75 % asbestos fiber by weight, excluding the weight of other inorganic reinforcing strands that may be present.

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 non-conformance with the standard.

1.3 **Warning—**Breathing of asbestos dust is hazardous. Asbestos and asbestos products present demonstrated health risks for users and for those with whom they come into contact. In addition to other precautions, when working with asbestos-cement products, minimize the dust that results. For information on the safe use of chrysoltile asbestos, refer to "Safe Use of Chrysotile Asbestos: A Manual on Preventive and Control Measures."[2]

1.4 The following safety hazards caveat pertains only to the test methods, Section 13, described in this specification: *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 warning, see 1.3.*

1.5 *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:*[3]

D123 Terminology Relating to Textiles
D299 Specification for Asbestos Yarns
D1118 Test Method for Magnetic Rating of Asbestos Fiber and Asbestos Textiles
D1682 Test Method for Breaking Load and Elongation of Textile Fabric (Withdrawn 1992)[4]
D1777 Test Method for Thickness of Textile Materials
D1918 Test Method for Asbestos Content of Asbestos Textiles
D2100 Specification for Asbestos Textiles Used for Electrical Insulating Purposes
D2946 Terminology for Asbestos and Asbestos–Cement Products
D3774 Test Method for Width of Textile Fabric
D3775 Test Method for Warp (End) and Filling (Pick) Count of Woven Fabrics

3. Terminology

3.1 For definitions of other textile terms used in this specification, refer to Terminology D123. For asbestos terms, refer to Terminology D2946.

3.2 *asbestos textile, n*—the hydrous magnesium silicate serpentine mineral designated as chrysotile and having the empirical formula $Mg_3Si_2O_5(OH)_4$.

4. Classification

4.1 *Classes*—The classes of asbestos tapes are based on the nature of the yarns from which they are woven.

4.1.1 *Class A*—Tape constructed of asbestos yarns containing no reinforcing standards.

4.1.2 *Class B*—Tape constructed of asbestos yarns containing wire reinforcement.

4.1.3 *Class C*—Tape constructed of asbestos yarns containing organic reinforcing strands.

[1] This specification is under the jurisdiction of ASTM Committee C17 on Fiber-Reinforced Cement Products and is the direct responsibility of Subcommittee C17.03 on Asbestos - Cement Sheet Products and Accessories.

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[2] Available from The Asbestos Institute, http://www.chrysotile.com/en/sr_use/manual.htm.

[3] 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.

[4] The last approved version of this historical standard is referenced on www.astm.org.

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