



Standard Terminology for Asbestos and Asbestos–Cement Products¹

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1. Scope

1.1 This terminology covers terms and definitions, definitions of terms, and abbreviations of terms relating to asbestos and asbestos–cement products.

2. Referenced Documents

2.1 ASTM Standards:

- C 150 Specification for Portland Cement²
- C 296 Specification for Asbestos–Cement Pressure Pipe³
- C 428 Specification for Asbestos–Cement Nonpressure Sewer Pipe³
- C 458 Test Method for Organic Fiber Content of Asbestos–Cement Products³
- C 500 Test Methods for Asbestos–Cement Pipe³
- C 508 Specification for Asbestos–Cement Underdrain Pipe³
- C 541 Specification for Linings for Asbestos–Cement Pipe³
- C 618 Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Concrete⁴
- C 663 Specification for Asbestos–Cement Storm Drain Pipe³
- C 668 Specification for Asbestos–Cement Transmission Pipe³
- C 875 Specification for Asbestos–Cement Conduit³
- C 966 Guide for Installing Asbestos–Cement Nonpressure Pipe³
- D 123 Terminology Relating to Textiles⁵
- D 1067 Test Methods for Acidity or Alkalinity of Water⁶
- D 1118 Test Method for Magnetic Rating of Asbestos Fibers and Asbestos Textiles³
- D 1126 Test Method for Hardness in Water⁶
- D 1918 Test Method for Asbestos Content of Asbestos Textiles³
- D 2589 Test Method for McNett Wet Classification of Dual Asbestos Fiber³

- D 2590 Test Method for Sampling Chrysotile Asbestos³
- D 2985 Test Method for Color of Asbestos³
- D 3879 Test Method for Sampling Amphibole Asbestos³
- E 284 Terminology of Appearance⁷
- E 308 Practice for Computing the Colors of Objects by Using the CIE System⁷
- E 849 Practice for Safety and Health Requirements Relating to Occupational Exposure to Asbestos⁸

3. Terminology

accessible bag, *n*—for sampling, a bag (in a pile of bags of asbestos fiber) of which at least one side or one end is fully exposed.

accessible surface, *n*—for sampling, in a pile of bags of asbestos fiber, a side (of the pile) in which all the bags are accessible bags.

accessories—subordinate material such as fasteners, backer strips, closure strips, ridge and corner rolls, roofing starters and finishing pieces, couplings, gaskets, pipe fittings or other supplementary material necessary for the proper application of primary asbestos–cement products.

actinolite asbestos—asbestiform variety of the monoclinic amphibole silicate minerals of the tremolite–actinolite series.

DISCUSSION—Its empirical formula is $\text{Ca}_2(\text{Mg}, \text{Fe}^{+2})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$. Its Chemical Abstracts⁹ number is 77536-66-4 (see Table 1 and Table 2).

adhesion, *n*—for asbestos, see **fiber adhesion**.

aggressivity index, *n*—measure of the corrosiveness of water toward asbestos–cement defined as:

$$\text{pH} + \log (AH) \quad (1)$$

where:

pH = negative of the logarithm of the hydronium molarity (index of acidity of the water) pH units.

A = total alkalinity, ppm as CaCO_3 , as determined by Test Methods D 1067, and

H = calcium hardness, ppm as CaCO_3 , as determined by Test Method D 1126.

DISCUSSION—The aggressiveness of water toward asbestos–cement is classified as follows:

¹ Annual Book of ASTM Standards, Vol 06.01.

² Discontinued. See 1994 Book of ASTM Standards, Vol 11.03.

³ Taken from Practice E 849.

¹ This terminology is under the jurisdiction of ASTM Committee C17 on Fiber-Reinforced Cement Products and is the direct responsibility of Subcommittee C17.91 on Editorial and Terminology.

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² Annual Book of ASTM Standards, Vol 04.01.

³ Annual Book of ASTM Standards, Vol 04.05.

⁴ Annual Book of ASTM Standards, Vol 04.02.

⁵ Annual Book of ASTM Standards, Vol 07.01.

⁶ Annual Book of ASTM Standards, Vol 11.01.