



Designation: C1120/C1120M – 98 (Reapproved 2019)

Standard Test Method for Wash Test of Asbestos¹

This standard is issued under the fixed designation C1120/C1120M; 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 test method covers the procedure for determining the fines content of asbestos fibers by washing with water on a specified sieve.

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 chrysotile asbestos, refer to “Safe Use of Chrysotile Asbestos: A Manual on Preventive and Control Measures.”²

1.4 *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.* For a specific hazards 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.*

¹ This test method 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.

2. Referenced Documents

2.1 ASTM Standards:³

C430 Test Method for Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve

C1121 Test Method for Turner and Newall (T and N) Wet-Length Classification of Asbestos

D2589 Test Method for McNett Wet Classification of Dual Asbestos Fiber

D2590 Test Method for Sampling Chrysotile Asbestos

D2946 Terminology for Asbestos and Asbestos-Cement Products

D3639 Test Method for Classification of Asbestos by Quebec Standard Test

D3879 Test Method for Sampling Amphibole Asbestos (Withdrawn 2009)⁴

E11 Specification for Woven Wire Test Sieve Cloth and Test Sieves

E177 Practice for Use of the Terms Precision and Bias in ASTM Test Methods

2.2 QAMA Document:

C-5 Method for T & N Wet Classification of Asbestos⁵

3. Terminology

3.1 For terminology, refer to Terminology D2946.

4. Summary of Test Method

4.1 Specimens are washed on a sieve by means of a standard water nozzle.

4.2 The material retained on the screen is dried and weighed, and the percent loss in weight is calculated and reported.

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.

⁵ Published in *Chrysotile Asbestos Test Manual*, 3rd edition, available from Asbestos Institute, 1002 Sherbrooke St. W, Suite 1750, Montréal, QC, Canada H3A 3L6.