



Standard Practice for Maintenance, Renovation, and Repair of Installed Asbestos Cement Products¹

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1. Scope

1.1 This practice describes work practices for asbestos-cement products when maintenance, renovation, and repair are required. This includes common tasks such as drilling and cutting holes in roofing, siding, pipes, etc. that can result in exposure to asbestos fibers if not done carefully. These work practices are supplemented and facilitated by the regulatory, contractual, training, and supervisory provisions of this practice.

1.2 Materials covered include those installed in or on buildings and facilities and those used in external infrastructure such as water, wastewater, and electrical distribution systems. Also included is pavement made from asbestos-cement manufacturing waste.

1.3 The work practices described herein are intended for use only with asbestos-cement products already installed in buildings, facilities, and external infrastructure. They are not intended for use in construction or renovation involving the installation of new asbestos-cement products.

1.4 The work practices are primarily intended to be used in situations where small amounts of asbestos-cement products must be removed or disturbed in order to perform maintenance, renovation, or repair necessary for operation of the building, facility, or infrastructure.

1.5 The work practices described herein are also applicable for use where the primary objective is the removal of asbestos-cement products from the building or other location, particularly the use of wet methods and other means of dust and fiber control.

1.6 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.7 **Warning**—Asbestos fibers are acknowledged carcinogens. Breathing asbestos fibers can result in disease of the lungs including asbestosis, lung cancer, and mesothelioma. Precautions in this practice should be taken to avoid creating and breathing airborne asbestos particles from materials known or suspected to contain asbestos. Comply with all applicable regulatory requirements addressing asbestos.

1.8 *This practice does not address safety hazards associated with working on asbestos-cement products such as falling through roof panels or trench cave-ins. The use of power tools presents possible electrical hazards, particularly in wet environments. These and other safety hazards must be considered and controlled in compliance with the employer's policies and applicable regulations.*

1.9 *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.*

2. Referenced Documents

2.1 ASTM Standards:²

E1368 Practice for Visual Inspection of Asbestos Abatement Projects

E2356 Practice for Comprehensive Building Asbestos Surveys

2.2 Other Standards:

Guidance Manual Asbestos Operations and Maintenance Work Practices³

3. Terminology

3.1 Definitions:

3.1.1 *amended water, n*—water to which a surfactant has been added to reduce surface tension.

¹ This practice is under the jurisdiction of ASTM Committee D22 on Air Quality and is the direct responsibility of Subcommittee D22.07 on Sampling and Analysis of Asbestos.

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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 Available from National Institute of Building Sciences (NIBS), 1090 Vermont Avenue, NW, Suite 700, Washington DC 20005-4905.