

ASBESTOS KEYS

- ACM > 1% asbestos
- PACM – installed Thermal Surface Insulation, sprayed on and troweled-on surface materials in buildings constructed prior to 1980. Asphalt and vinyl flooring installed prior to 1980
- TWA (8hr) = 0.1 f/cc
- Excursion Limit (30 minute) = 1.0 f/cc
- Warning Signs
DANGER
ASBESTOS
CANCER AND LUNG DISEASE
HAZARD
AUTHORIZED PERSONNEL
ONLY

DC 37 SAFETY AND HEALTH FACT SHEET

GENERAL INDUSTRY ASBESTOS STANDARD 1910.1001

Asbestos includes chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these minerals that have been chemically treated and/or altered.

Asbestos Containing Material (ACM) means any material containing more than 1% asbestos.

Presumed Asbestos Containing material (PACM) means thermal system insulation (TSI) and surfacing material found in buildings constructed no later than 1980.

Asbestos is used in the manufacture of heat-resistant clothing, automotive brake and clutch linings, and a variety of building materials including floor tiles, roofing felts, ceiling tiles, asbestos-cement pipe and sheet, and fire-resistant drywall. Asbestos is also present in pipe and boiler insulation materials, and in sprayed-on materials located on beams, in crawlspaces, and between walls.

Duties of Employers, Building Owners

Employers and building owners are required to treat installed TSI and sprayed on and troweled-on surfacing materials as ACM in buildings constructed no later than 1980. These materials are designated "presumed ACM or PACM". Asphalt and vinyl flooring material installed no later than 1980 also must be treated as asbestos-containing. The employer or building owner may demonstrate that PACM and flooring material do not contain asbestos.

- Building and Facility owners shall determine the presence, location, and quantity of ACM and/or PACM at the work site.
- Employers and building and facility owners shall inform employers and employees about the presence and location of ACM and PACM.

Permissible Exposure Limits

Time-weighted average limit (TWA).

- The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter of air as an eight (8)-hour time-weighted average

Excursion limit.

- The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 1.0 fiber per cubic centimeter of air (1 f/cc) as averaged over a sampling period of thirty (30) minutes

Each employer who has a workplace or work operation covered by this standard and workers working in areas above PELs is required to conduct exposure monitoring (initial and periodic monitoring), provide employee notification of monitoring results including corrective actions within 15 working days, implement a written program including engineering, work practices, use of respiratory protection to reduce employees' exposure, demarcate regulated areas with posted warning signs, restrict access, provide change rooms, implement a respiratory protection program, implement a medical surveillance program and maintain records for duration of employment plus 30 years.

Training

The employer shall train each employee who is exposed to airborne concentrations of asbestos at or above the PEL and/or excursion limit in accordance with the requirements of this section. The employer shall institute a training program and ensure employee participation in the program.

- Training shall be provided prior to or at the time of initial assignment and at least annually thereafter.
- The health effects associated with asbestos exposure
- The relationship between smoking and exposure to asbestos producing lung cancer. Information on availability of self-help smoking cessation program material.
- The engineering controls and work practices associated with the employee's job assignment;
- The specific procedures implemented to protect employees from exposure to asbestos, such as appropriate work practices, emergency and clean-up procedures, and personal protective equipment to be used;
- The purpose, proper use, and limitations of respirators and protective clothing, if appropriate;
- The purpose and a description of the medical surveillance program;
- The employer shall make a copy of this standard and its appendices readily available without cost to all affected employees.

Asbestos Awareness Training for Housekeeping, Custodial and Maintenance employees

The employer shall provide, at no cost to all employees who perform housekeeping work in areas where ACM or PACM is present, an asbestos awareness training course, which contains the following elements: health effects of asbestos, locations of ACM and PACM in the building/facility, recognition of ACM and PACM damage and deterioration, and proper response to fiber release episodes. Each such employee shall be so trained at least once a year.

Class IV - Maintenance and Custodial activities during which employees contact ACM and PACM and activities to clean up waste and debris containing ACM and PACM. This includes dusting surfaces, vacuuming carpets, mopping or polishing floors, and cleaning up ACM or PACM materials from thermal system insulation or surfacing ACM/PACM.

www.osha.gov

Contact DC 37 Safety and Health at 212-815-1685 for additional information.