

## **ASBESTOS - FLOOR COVERING AND MASTIC MANUAL REMOVAL**

(AV 120)

(as Amended Effective November 9, 1994)

Code Rule Section 56-8.1(c), (k)(1-5); Section 56-9.1(a);

Section 56-10.1(a); Section 56-11.1(b); Section 56-15.2(c-e); Section 56-17.2(a)

DATED JUNE 30, 2000

Pursuant to Section 30 of the Labor Law, the Commissioner of Labor has reviewed the above cited provisions of Industrial Code Rule 56, as they relate to the abatement of asbestos floor covering and mastic.

The Commissioner of Labor has also reviewed numerous petitions for variance or other relief relative to such materials and the decisions rendered relative to these petitions.

The Commissioner of Labor finds that the issuance of an applicable variance from the above cited provisions of Industrial Code Rule 56, as such pertain to the removal of asbestos floor covering and mastic would not violate the spirit and purpose of said rules and would secure the public safety as contemplated by said rules.

### **APPLICABLE VARIANCE**

A variance from the cited provisions of Industrial Code Rule 56 is hereby GRANTED subject to the following conditions.

#### **THE CONDITIONS**

1. A personal decontamination enclosure systems that complies with Subpart 56-9 shall be utilized. A waste decontamination enclosure system that fully complies with Subpart 56-10 shall be utilized. These enclosure systems can be remote, on the property and within 50 feet of the building. They shall not be removed until satisfactory clearance air monitoring results have been achieved. The access area between the work area and the remote decontamination unit shall be restricted using tape barriers and warning signs.
2. If remote decontamination units are to be used, workers shall don two (2) suits; and the containment shall have an attached air lock within which workers shall remove their outer suit, wipe off their inner suit and don a clean outer suit prior to proceeding to another work area or to the remote decontamination unit.
3. If remote decontamination units are to be used, an airlock as defined in Subpart 56-1.4(e) of this Code Rule shall be constructed at the entrance to each asbestos work area large enough to serve as a changing area. This area shall not be used as waste decontamination area or a waste storage area.
4. The building work areas, decontamination units, airlocks, and dumpster areas shall be cordoned off at a distance of twenty-five (25') and signed and shall remain vacated except for certified workers until satisfactory clearance air monitoring results have been achieved.
5. If electrical circuits, machinery, and other electrical systems in the building must stay in operation during the abatement the following conditions apply:
  - ✓ All live conduits, cables and/or panel boxes that run through the work area shall be covered with three layers of (6) six-mil fire retardant polyethylene. Each layer shall be individually taped and sealed separately.
  - ✓ Any energized circuits remaining in the work areas shall be posted with a (3) three inch high lettering warning sign which reads: DANGER LIVE ELECTRICAL KEEP OUT. The sign shall be placed on all live covered barriers at a maximum of (10) ten-foot intervals. These signs shall be posted in sufficient numbers to warn all persons authorized to enter the work area of the existence of the energized circuits.
  - ✓ All (3) three layers of polyethylene sheeting shall be left in place until satisfactory clearance air monitoring results have been obtained.
  - ✓ All electrical for the removal project shall be brought into the work area through a separate GFI panel box located outside the work area.

6. When floor tile and mastic removals are done alone and if machinery or mechanical methods are not used, in lieu of the plasticizing requirements of ICR 56-8.1(k)(5), the following alternatives shall be used in the removal areas.
  - ✓ The walls of the work area shall be plasticized with two (2) layers of six-mil fire retardant plastic sheeting up to a height of four feet, or
  - ✓ The walls of the work area shall not be plasticized during the removal work. However, the walls shall be wet cleaned or HEPA vacuumed prior to the clearance air tests.
7. For manual removals of floor tile and mastic, negative air shall be established within the abatement work areas at four (4) air changes per hour with the walls plasticized up to four feet and six (6) air changes per hour with no plasticization.
8. The floor tiles, mastic and tar based felt shall be removed by manual methods. This applicable variance does not allow for the use of a beadblaster, etc. Any power operated tools that must be used in removing the floor tiles/mastic shall be equipped with HEPA filtered local exhaust ventilation, as required by Subpart 56-7.1(j).
9. Dry removals of ACM materials will not be allowed. Amended water shall be used to thoroughly wet the asbestos containing materials during the abatement process. Materials removed shall be containerized or immediately wrapped in two layers of six-mil, fire retardant plastic sheeting and secured air tight prior to transport to the waste decontamination facility.
10. The contractor shall observe, at a minimum, the following minimum (settling/drying) periods - 4 hours for walls plasticized to four feet and 6 hours with no plasticization.
11. When walls are plasticized, in addition to visible or gross cleaning, walls and floors shall be cleaned by HEPA vacuuming and wet wiping, during each multiple clean-up stage as defined in Subpart 56-15.2 (b, d, e) of this Code Rule. When walls are not plasticized, one thorough cleaning and one settling period shall suffice.
12. After the minimum drying period has elapsed, an authorized and qualified individual, independent of the removal Contractor, (i.e. the Project Monitor, Design Engineer, Air Monitoring Technician or other representative of the Owner), shall determine if the area is dry and acceptable for clearance air sampling. If the area is dry, and acceptable for clearance air sampling clearance air sampling shall commence.
13. If the air test results are unacceptable, the provisions of 56-17.9 shall apply.
14. Carts or other containers used to transport asbestos containing and non-ACM contaminated materials to the dumpsters shall be covered and lined with two (2) layers of six-mil polyethylene.
15. Dumpsters shall be hard topped and lined with (2) two layers of six-mil polyethylene. Prior to transport from the work site the dumpster shall be sealed air/dust tight utilizing six-mil plastic and tape.
16. A copy of this APPLICABLE VARIANCE shall be conspicuously posted at the entrances and to the personal decontamination enclosure system(s), and to the work area(s).
17. All other applicable provisions of Industrial Code Rule 56-1 through 56-17, shall be complied.
18. This DECISION supersedes Applicable Variance 85 dated March 20, 1989.

This applicable variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which the previously cited provisions of Industrial Code Rule 56 apply to the removal of vinyl asbestos floor tile and mastic with the same force and effect as if this applicable variance was duly granted upon separate petition for the use and benefit of every person affected by the cited provisions of Industrial Code Rule 56.