

CHAPTER 81  
ASBESTOS CONTROL PROCEDURES  
[Prior to 9/24/86, Labor, Bureau of [530]]

**347—81.1(88B) Construction/demolition work.**

**81.1(1) Scope.** This rule applies to construction, alteration or repair, painting and decorating, including but not limited to:

- a. Demolition or salvage of structures where asbestos, tremolite, anthophyllite or actinolite is present;
- b. Removal or encapsulation of materials containing asbestos, tremolite, anthophyllite or actinolite;
- c. Construction, alteration, repair, maintenance or renovation of structures, substrates or portions thereof, that contain asbestos, tremolite, anthophyllite or actinolite;
- d. Installation of products containing asbestos, tremolite, anthophyllite or actinolite;
- e. Asbestos, tremolite, anthophyllite and actinolite spill/emergency cleanup; and
- f. Transportation, disposal, storage or containment of asbestos, tremolite, anthophyllite or actinolite on the site or location at which construction activities are performed..

**81.1(2) Adoption by reference.** This rule adopts in its entirety by reference the federal Occupational Safety and Health Administration standard 29 CFR section 1926.58, including all appendices, as published at 51 Fed. Reg. 22756-22790 (June 20, 1986) as amended at:

- 52 Fed. Reg. 17753 (May 12, 1987)
- 53 Fed. Reg. 35625 (September 14, 1988)
- 54 Fed. Reg. 30704 (July 21, 1989)

**347—81.2(88B) Occupational exposures to asbestos, tremolite, anthophyllite or actinolite in all industries other than construction.**

**81.2(1) Scope.** This rule applies to all occupational exposures to asbestos, tremolite, anthophyllite or actinolite in all industries except construction work as defined in 29 CFR 1910.12(b) (July 1, 1988).

**81.2(2) Adoption by reference.** This rule adopts in its entirety by reference the federal Occupational Safety and Health Administration standard 29 CFR section 1910.1001, including all appendices, as published at 51 Fed. Reg. 22733-22756 (June 20, 1986) as amended at:

- 52 Fed. Reg. 17753 (May 12, 1987)
- 53 Fed. Reg. 35625 (September 14, 1988)
- 54 Fed. Reg. 30704 (July 21, 1989)

**347—81.3(88B) Encapsulation.**

**81.3(1)** Encapsulation shall be used only when the asbestos, tremolite, anthophyllite or actinolite fibers are firmly bonded to the underlying surface or the asbestos, tremolite, anthophyllite or actinolite is not accessible for removal.

**81.3(2)** Encapsulation shall not be used on material that is deteriorated or delaminated, that shows extensive damage, in areas where contact damage may occur, or areas with actual or probable water damage.

**81.3(3)** Sealants shall be applied with airless spray equipment at low-pressure settings.

**81.3(4)** All encapsulated asbestos, tremolite, anthophyllite or actinolite sources shall be inspected every six months. Sealant shall be reapplied periodically wherever there is a danger of airborne asbestos, tremolite, anthophyllite or actinolite fibers.

**81.3(5)** All previously encapsulated asbestos, tremolite, anthophyllite or actinolite materials shall be removed prior to demolition of any building.

**81.3(6)** Accurate records on the type of sealant used and the nature of the material and substrate encapsulated shall be maintained and provided to the owner of the building.

**81.3(7)** Whenever solvent-based sealants are used, the employees shall use an appropriate respirator to be provided by the employer.

**81.3(8)** Latex paint as a sealant.

*a.* Only latex paint with a vehicle content of at least 60 percent by weight and vehicle resin solids of at least 25 percent by weight shall be used. Coverage shall not exceed 100 square feet per gallon.

*b.* An initial light (mist) coat shall be applied with additional coats applied at a 90 degree angle to the direction of the previous coat. All additional coats shall be applied only after the previous coat has dried. Coats of contrasting color are recommended.

*c.* All monitoring of airborne asbestos, tremolite, anthophyllite or actinolite levels shall comply with 347—81.2(88B).

**81.3(9)** Other encapsulation methods. Other methods may be used provided the method constructs an impermeable enclosure to prevent friable asbestos, tremolite, anthophyllite or actinolite from becoming airborne.

**81.3(10)** Appropriate personal protective equipment including appropriate respirators shall be used to prevent employee exposure to airborne asbestos, tremolite, anthophyllite or actinolite as specified in 29 CFR 1910.134 (July 1, 1988).

**347—81.4(88B) Supervision requirements.** At least one supervisor/contractor licensed under rule 347—82.6(88B) shall be at an asbestos project at all times while work is in progress. For the purpose of this rule, a supervisor/contractor includes those persons who provide supervision and direction to workers engaged in the asbestos removal, encapsulation, enclosure, and repair. Asbestos workers shall have access to a supervisor/contractor throughout the duration of the project.

These rules are intended to implement Iowa Code chapter 88B.

[Filed 3/22/85, Notice 11/7/84—published 4/10/85, effective 5/15/85]<sup>1</sup>

[Filed emergency 9/5/86—published 9/24/86, effective 9/24/86]

[Filed 4/27/88, Notice 12/30/87—published 5/18/88, effective 7/1/88]

[Filed emergency 5/25/89—published 6/14/89, effective 7/1/89]

[Filed 10/26/89, Notice 6/14/89—published 11/15/89, effective 12/29/89]

<sup>1</sup> Effective date of Ch 81 delayed seventy days by the Administrative Rules Review Committee.