

Kansas Administrative Regulations

Department of Health and Environment

Article 72.—Residential Childhood Lead Poisoning Prevention Program

28-72-18c. Work practice standards; lead abatement: encapsulation.

(a) The encapsulation strategy of lead abatement shall not be used on the following:

- (1) Friction surfaces, including window sashes and parting beads, door jambs and hinges, floors, and door thresholds;
- (2) deteriorated components, including rotten wood, rusted metal, spalled or cracked plaster, and loose masonry;
- (3) impact surfaces, including doorstops, window wells, and headers;
- (4) deteriorated surface coatings if the adhesion or cohesion of the surface coating is uncertain or indeterminable; and
- (5) incompatible coatings.

(b) When conducting a lead abatement project using the encapsulation strategy, the certified personnel shall comply with the following minimum requirements:

(1) The certified lead professional or licensed firm shall select an encapsulant that is a low volatile organic compound (V.O.C.), that is warranted by the manufacturer to last for at least 20 years, and that meets the requirements of all applicable building codes as well as fire, health, and environmental regulations.

(2) Each surface to be encapsulated shall have sound structural integrity and sound surface coating integrity and shall be prepared according to the manufacturer's recommendations.

(3) The site shall be prepared by first establishing a regulated area using fencing, barrier tape, or other appropriate barriers. The regulated area shall be marked to prevent uncertified personnel and the general public from approaching closer than 20 feet to the abatement project.

(4) Signs shall be posted at all entrances to the regulated area and shall include the words "WARNING: LEAD AREA. POISON. NO SMOKING OR EATING" in bold lettering

at least two inches tall, with additional language or symbols prohibiting entry to the regulated area by uncertified personnel and the general public. All signs shall be in a language that is easily recognized by all certified lead professionals and by members of the general public where the lead abatement activities are taking place.

(5) Any heating and cooling systems within the regulated area shall be shut down and the vents sealed with 6-mil polyethylene sheeting to prevent lead dust accumulation within the system.

(6) All items shall be cleaned within the regulated area by HEPA vacuuming or wet wiping with a cleaning solution, or both. Items shall then be either removed from the area or covered with 6-mil polyethylene sheeting and sealed with duct tape.

(7) At least two layers of 6-mil, or thicker, polyethylene sheeting shall be placed on the ground at the base of the component and shall extend at least 10 feet beyond the perimeter of the component to be encapsulated.

(8) A patch test shall be conducted in accordance with the HUD guidelines adopted by reference in K.A.R. 28-72-13 (d)(1) before general application of the encapsulant to determine the adhesive and cohesive properties of the encapsulant on the surface to be encapsulated. The encapsulant shall be applied in accordance with the manufacturer's recommendations.

(9) After the manufacturer's recommended curing time, the entire encapsulated surface shall be inspected by a lead abatement supervisor or a project designer. Each unacceptable area shall be evaluated to determine if a complete failure of the system is indicated or if the system can be patched or repaired. Unacceptable areas shall be evidenced by delamination, wrinkling, blistering, cracking, cratering, and bubbling of the encapsulant.

(10) After the encapsulation is complete, the regulated area shall be cleaned by vacuuming with a HEPA vacuum, wiping down all surfaces with a cleaning solution, rinsing all surfaces, and then HEPA vacuuming the area again. Cleaning shall begin at the end of the work area farthest from the main entrance to the area and from the top to the bottom of the regulated area.

(11) All equipment used in the regulated area shall be thoroughly cleaned with a cleaning solution or vacuumed with a HEPA vacuum, or both, before removal from the regulated area.

(Authorized by and implementing K.S.A. 65-1, 202; effective, T-28-9-13-99, Sept. 13, 1999; effective Jan. 7, 2000; amended April 9, 2010.)

***** Authenticated Kansas Administrative Regulation *****