

AMERICAN STANDARD SPECIFICATIONS
TO MINIMIZE HAZARDS TO CHILDREN FROM
RESIDUAL SURFACE COATING MATERIALS

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Z66.1-1964

1. Scope and Purpose

This standard specifies the requirements for coatings such as paints, enamels, lacquers, etc., applied in liquid form, that are deemed suitable from a health standpoint to be used to paint children's toys or furniture or interior surfaces so that the danger of poisoning will be minimized if, by chance, some of the dry coating should be ingested by a child.

2. Specifications

A liquid coating material to be deemed suitable, from a health standpoint, for use on articles such as furniture, toys, etc., or for interior use in dwelling units where the dry film might be ingested by children:

(1) Shall not contain lead compounds of which the lead content (calculated as Pb) is in excess of one per cent of the total weight of the contained solids (including pigments, film solids, and driers);

(2) Shall not contain compounds of antimony, arsenic, cadmium, mercury, or selenium of which the metal content individually or in total (calculated as Sb, As, Cd, Hg, Se, respectively) is in excess of 0.06 percent by weight of the contained solids (including pigments, film solids, and driers);

(3) Shall not contain barium compounds of which the water soluble barium (calculated as Ba) is in excess of one per cent of the total barium in such coatings.

3. Marking

Coatings complying with this standard may be marked: "Conforms to American Standard Z66.1-1964 for use on surfaces which might be chewed by children." ←

NOTE: Suggested test methods for low concentrations of lead in paint and for the determination of low quantities of mercury in paint are contained in the following ASTM Standards (copies available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pa.):

Tentative Method for Determination of Low Concentrations of Lead in Paint, ASTM D 2088-62 T

Tentative Method for Determination of Low Quantities of Mercury in Paint, ASTM D 2206-63 T

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