



Designation: **F2710 – 13 F2710 – 19**

Standard Consumer Safety Performance Specification for Commercial Cribs¹

This standard is issued under the fixed designation F2710; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

INTRODUCTION

This consumer safety performance specification addresses incidents identified by the U.S. Consumer Product Safety Commission (CPSC) which involved infant cribs used in commercial uses such as the hospitality and ~~day~~child care industries.

In response to incident data compiled by CPSC, and in recognition of the ~~more intense~~ heavier use that cribs which are used for commercial purposes encounter, this consumer safety performance specification attempts to minimize the hazards which result from structural ~~failure, instability, failure~~ and related deficiencies. ~~This consumer safety performance specification will also address issues related to maintenance and repair of these products in use, their transportation and storage and the wide variety of uses for these products.~~

1. Scope

1.1 This consumer safety performance specification establishes performance requirements, test methods, and marking requirements to promote the safe use of cribs in commercial environments such as hotels, rentals, motels, ~~day and child~~ care centers and the like.

1.2 This consumer safety performance specification subsumes the federal and ASTM standards which are in existence for these types of product when those products are used in non-commercial applications.

1.3 This consumer safety performance specification includes products intended to provide a safe sleeping environment such as full size cribs, ~~non full non-full~~ size cribs, and ~~playards~~ play yards and includes both rigid and mesh sided units. The term “crib” as used in this standard includes all of these items.

1.4 Products such as bassinets and cradles are specifically excluded from this consumer safety performance specification.

1.5 No commercial crib produced after the approval date of this consumer safety performance specification shall, either by label or other means indicate compliance with this specification unless it conforms to all applicable requirements contained herein, before and after all testing.

~~1.6 The following precautionary caveat pertains only to the test method portions of this consumer and other referenced safety specifications. The standard(s) may involve the use of hazardous materials, operations and equipment. The standard(s) does not purport to address all of the safety concerns, if any associated with its use. It is the responsibility of the user of this standard to establish all appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.~~

1.6 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

~~1.7 The following precautionary caveat pertains only to the test methods portion, Section 6, of this specification. This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and ~~health~~environmental practices and determine the applicability of regulatory limitations prior to use.~~

1.8 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

¹ This consumer safety performance specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.57 on Commercial Commercial Cribs.

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2. Referenced Documents

2.1 ASTM Standards:²

- F406 Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards
- F1148 Consumer Safety Performance Specification for Home Playground Equipment
- F1169 Consumer Safety Specification for Full-Size Baby Cribs

2.2 Federal Regulations:³

- 16 CFR 1219 Safety Standard for Full-Size Baby Cribs
- 16 CFR 1220 Safety Standard for Non-Full-Size Baby Cribs
- 16 CFR 1500 Hazardous Substances and Articles; Administration and Enforcement Regulations

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *commercial crib, n*—any crib, except those specifically excluded in 1.4 above, used to enclose children or infants, generally under the age of 2 years old which is rented to or provided for consumers by a commercial entity for their use.

3.1.1.1 Discussion—

This would include but not be limited to rental cribs for the home, cribs provided in a daychild care environment, center, cribs used in a hotel or hospitality enterprise, or those used in hospitals/healthcare operations.

3.1.2 *static load, n*—vertically downward load applied by weights or other means.

4. Calibration and Standardization

- 4.1 See relevant sections in Consumer Safety Specification F406 or Consumer Safety Specification F1169.
- 4.2 See relevant sections in 16 CFR 1219 or 16 CFR 1220.

5. General Requirements

5.1 ~~ASTM Standards—Non-full~~ Full sized and ~~full~~ non-full sized cribs ~~must~~ shall comply with all requirements of Consumer Safety Specification ~~F406~~F1169 and Consumer Safety Specification ~~F1169~~F406, respectively.

5.2 ~~Federal Regulations—Full sized and non-full sized cribs~~ shall comply with all requirements of 16 CFR 1219 and 16 CFR 1220, respectively.

5.3 ~~Static Load—No crib shall exhibit structural failure, loosening of fasteners, damage to latching or locking mechanisms, or failure of latching or locking mechanisms when tested in accordance with the test described in 6.1.~~

5.4 ~~Wheel Threshold and Durability—This test is only for cribs with wheels or casters. The crib casters/wheels of the crib shall not penetrate the gap more than 1/8 in. when tested in accordance with Test A in 6.2.~~

5.4.1 After completion of the cyclic test of Test B in 6.2, the crib shall comply with either 16 CFR 1219 or 16 CFR 1220, as appropriate.

~~5.5 Cycle Testing—No crib shall exhibit structural failure, loosening of fasteners, damage to latching or locking mechanisms, or failure of latching or locking mechanisms when tested in accordance with the test methods in Sections 4.24 and 4.25 of the Product Safety Laboratory Reference Manual of Health Canada, Book 5 Laboratory Policies and Procedures, Part B: Test Methods Section, Method M-12, “Test Method for Cribs and Cradles.”~~

~~5.6 Fasteners—No wooden commercial crib shall be sold which requires consumer assembly using wood screw fasteners. Factory assembly using wood screws on load-bearing elements is allowed if the wood screws are a second method of attachment. Factory assembly of non-load-bearing elements is allowed with wood screws alone.~~

5.5 ~~Drop Side—~~ Moveable Side Dynamic Test—No commercial cribs with ~~drop sides~~ moveable sides or drop gates shall exhibit structural failure, loosening of fasteners, damage to latching or locking mechanisms or failure of latching or locking mechanisms when tested in accordance with 6.3.

6. Test Methods

6.1 *Crib Static Load*—A crib interior shall be loaded with a total load applied vertically without shock, and the total load shall remain for 5 min. For the purpose of applying the load, the crib interior or mattress support area shall be divided into four equal area quadrants. The total load shall be located in equal portions, in the center of each quadrant and at the center point of the mattress support area, a total of 5 points.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.

³ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, http://www.access.gpo.gov.