

ATTACHMENT B
MATTRESSES AND BOX SPRINGS STATEWIDE CONTRACT
SPECIFICATIONS
RFx #3000020737
T # 90943

Open flame mattress flammability standard:

The U.S. Federal Government has standards regarding the flammability of mattresses when exposed to an open flame. The U.S. Consumer Product Safety Commission has finalized a safety standard for mattresses/foundation sets. The standard is codified as 16 CFR part 1633.

All mattresses/foundations bid under this invitation to bid must meet the standard.

A label must be permanently affixed to the mattresses confirming compliance with this law. The label must contain the following:

Manufacturer's Company Name:
Street address
City and State
Month and year of manufacturer
Prototype

The label must contain the following statement:

“This mattress meets the requirements of 16 CFR part 1633 – Standard for the Flammability (Open Flame) of Mattress Sets -- for its intended use.”

PACKAGING AND LABELING

Mattress packaging:

Mattresses shall be clean and free of all defects. Mattresses shall be completely covered and sealed with a minimum of 4 mil plastic material.

Mattress labeling:

Labels shall be in accordance with the state and federal laws and shall include the percentages of each material(s) used. The manufacturer's name and date of manufacture shall be included on the label.

SPECIFICATIONS FOR LINES 1 THROUGH 4

Hospital/dormitory mattress, polyfoam

Foam core: 1.5 lbs. density per cubic foot in a 34-36 lb. compression as established by Indentation Load (Force) Deflection (ILD) tests. Foam must meet 16 CFR part 1633.

Ventilators: not less than 5/8" diameter perforated brass are to be installed in all institutional mattresses.

Mattress ticking: as specified on each line – shall be thermoplastic film and synthetic fibers constructed to be fluid proof and anti-microbial.

Herculite Sure Check XL and Sure Check 44 or equal.

Mattress binding tape: 5/8" minimum width, same as ticking used.

SPECIFICATIONS FOR LINES 5 THROUGH 8

Residential/dormitory mattress

Innerspring, 312 Bonnell type coils, 13 gauge wire with a minimum of 6 gauge border rod coils.

Entire unit to be treated with a rust preventative.

Padding: 2.5 oz. natural fiber or 2 oz. resin bonded polyester. 3/4" fire retardant foam pad, 1.5 lbs density, 34-36 lb. ILD.

Cover: 5.7 oz. fire retardant woven pin stripe quilted to 3/8" urethane foam pad. Meets 16 CFR part 1633

Border: same as cover or vertical stitched to Celu border backing.

Flange: flange material to be at least 5" of heat barrier type, polyvinylchloride or equal construction.

Tape: Mod acrylic or equal, 5/8" minimum width.

SPECIFICATIONS FOR LINES 9 THROUGH 11

Box springs:

Foundation perimeter border ticking. Daiwabo rayon FR corona viscose ray and silicon dioxide material with flash point parameters or equal; colored and degraded at 260 degrees C/ignited at 400-470 degree C.

Foundation top panel ticking: status titan FR rayon/polyester/acrylic based nonwoven fire retardant filler cloth or equal.

Dormitory foundation: unitized all truss heavy duty r11:4" solid state foundation with two (2) cross bracing stabilizers and high carbon spring wire supports inlaid into the insulation layer, or equal.

Fire retardant barrier: 5500 “firewall” thermal bonded fiber or equal.

Perimeter border quilting filling: 5500 firewall thermal bonded fiber or equal.

Foundation insulator: resin bonded polyester insulator barrier, level 11a or superior (minimum 2 oz /sq. ft.) stapled around the entire perimeter of the foundation unit.

Dust cover: medium density nonwoven cover.

Corner guards: each corner will be protected with a heavy duty plastic corner guard of high impact plastic material secured by heavy duty staples.

SPECIFICATIONS FOR LINES 12 THROUGH 14

Hotel plush double-sided mattress set

Mattress:

364 innerspring 13.5 gauge coil, 6 gauge border rod.

4.5 oz. with insulator cotton combo pad, 1” thick on both sides.

1.5 oz. fiber layer, ½” thick on both sides.

1.8 lbs. 34 ILD foam, 1 ½” thick on top of each fiber layer.

Ticking: ¾” foam rolled, 1.5 fiber rolled, 94”, .5 oz. quilted backing, medium bright white stretch knit.

Border: same as cover.

Flammability standard: 16 CFR part 1633

Finish size: 12” thick

Foundation:

Frame to be Poplar or equal

Cardboard topper: 125 lb. test c-fluted pad

Top panel non-woven solid diamond white polyester fabric.

Quilt backing: 94” ½ oz. white spun bond.

Dust cover: 1.25 oz. black spun bond

2" plastic corner guards on all four (4) corners.

Flammability standard: 16 CFR part 1633

Finish size: 8" thick.