

**West Chester University**  
**Department of Environmental Health and Safety**  
**West Chester University Mattress Technical Specification Policy**

**Purpose**

To set for the minimum specifications to be met when purchasing mattresses for West Chester University use.

**General**

West Chester University and other management companies purchase mattresses for university housing and other purposes on a periodic basis. In the interest of personal safety and to conform to applicable regulations, it is critical that the mattresses purchased meet certain federal requirements pertaining to flame spread, ignition, and associated hazards.

**Policy**

Applicability

This policy applies to mattresses purchased for use in all buildings at West Chester University regardless of the terms of property management at the particular building, except for those locations that could reasonably be considered a private residence as determined by the Fire Safety Specialist. Locations include but are not limited to residence halls, apartment complexes, academic buildings, and other university operated buildings where there may be occasion to supply mattresses for overnight stays or for theatrical performances.

Type, Size, and Quantity

- A. The type, size, and quantity of the mattresses purchased shall be at the discretion of the department funding the purchase; however, the mattresses must meet the technical specifications set forth herein regardless of type, size, quantity, and placement. If no product is available that meets the specific criteria in this policy, a comparable product that most closely matches these specifications and conforms to Technical Requirements - Section "A" will be purchased.

Technical Requirements

- A. All mattresses purchased for use at West Chester University shall conform to the following federal standards, and documentation (including a full test report with before and after photographs) shall be provided by the manufacturer asserting that all tests were completed in accordance with these standards and that the limits were not exceeded:

**16 CFR 1632** – Standard for the Flammability of Mattresses and Mattress Pads  
**16 CFR 1633** – Standard for the Flammability (Open Flame) of Mattress Sets

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- B. **Inner Core:** 1.8/ft.<sup>3</sup> lbs. FR Polyurethane. Firmness shall be dependent upon completed mattress thickness.
- C. **Encapsulating Material:** Polychloroprene compound cushioning shall completely encapsulate the polyurethane. A ½” thickness shall be used and securely laminated. A neoprene adhesive shall be used.
- D. **Cover:** Mattress cover shall be constructed of 210 denier polyurethane coated blue nylon. Cover shall be fluid resistant and bacterial/fungal resistant. The side border shall be of the same material as the top and bottom, approximately six (6) inches high and neatly tailored.
- E. All mattresses shall be provided with a law label as required listing the components, construction name and location of the manufacturer.
- F. All mattresses shall be marked per the requirements stated in the request for proposal for university identification purposes.

Warranty

- A. The mattress at the time of final delivery and for a minimum durable life of five (5) years will be free of defects and other flaws that might cause the mattress cover and/or seam lines to unravel, fray, slip, slide, or have any other movement that affects the use, appearance, or comfort of the mattress. In addition, no penetrations or other modifications shall be made that compromises the fire safety integrity of the mattresses.
- B. Contractor covenants and agrees to remedy without cost to the university any defects which may develop within five (5) years from the date of final delivery provided said defects; in the judgment of the university or its successors having jurisdiction in the premises; are caused by defective or inferior materials, equipment, or workmanship.