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### **Product Specifications for the Derby Correctional Mattress**

The Derby Correctional Mattress is produced by special manufacturing techniques. The 100% sealed seam process provides maximum fluid resistance as well as minimum risk exposure. It comes with a fluid-resistant breathable vent and is available with or without a built-in pillow.

#### **Materials: (Must Include)**

- 1) Dimensional Stability (Warranty against cracking)
- 2) Flame Retardant
- 3) Odor-Resistant
- 4) Antimicrobial properties built in to protect the product
- 5) Virus Barrier
- 6) Moisture Vapor Permeable
- 7) Washable – See Our Cleaning Instructions
- 8) Abrasion Resistant
- 9) Cover is hypoallergenic – latex free

#### **Construction: (Must Include)**

- 1) 100% Sealed Seams (Absolutely No Stitching)
- 2) Breathable Vent (Must resist water, oil, urine, blood, head lice, bed bugs)
- 3) Integrated Pillow constructed of solid fiber – Zero loose fill pillow batting
- 4) Seam Strength average breaking force 116 lbf
- 5) Core must be full overall length of the mattress, including head rest area, 100% densified polyester, Indura Performance Fiber™ minimum of 11 oz/sq. ft. density
- 6) Core contains no hazardous chemical byproducts- 100% recyclable “green”
- 7) Core is hypoallergenic- latex free
- 8) Thickness to be 4 inches
- 9) Completed mattress to contain no manufacturing byproduct such as polypropylene film, silk film, or other foreign material detrimental to a secure area

#### **Features (Must Perform These Tests)**

- 1) Flammability testing must meet and exceed the requirements of:
  - A) California Technical Bulletin 117
  - B) California Technical Bulletin 121
  - C) California Technical Bulletin 129
  - D) California Technical Bulletin 133
  - E) California Technical Bulletin 603
  - F) 16 CFR 1632.4
  - G) 16 CFR 1633
- 2) Life Cycle Test: Must pass rotator test of 100,000 cycles with minimum loss of density and no cover damage.
- 3) Seam Strength Testing ASTM D5034

Patent Nos. US 6,351,864, US 6,516,482, & US 6,785,923

**Note: This information is furnished for reference purposes only. In order to manufacture to these specifications, one must obtain written permission from Derby Industries.**

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