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Product Specifications for the Derby SEG-MAX Mattress

The Derby SEG-MAX 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) Cover is polyurethane coated ballistic rip-stop fabric
- 3) Flame Retardant
- 4) Virus Barrier
- 5) Washable – See Our Cleaning Instructions
- 6) Abrasion Resistant
- 7) Cover is hypoallergenic- latex free

Construction: (Must Include)

- 1) 100% Sealed Seams (Additional Security Stitch- TEX 176 Nylon Thread)
- 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 336 lbf
- 5) Core must be full overall length of the mattress, including head rest area, 100% densified polyester, 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) 16 CFR part 1632.4
 - C) 16 CFR part 1633
- 2) 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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