

Cover Sheet Data

Pro-care Turn

- Biocompatible
- Low Friction and shear
- Highly vapour permeable & Water resistant
- High-flame retardant



Cover Sheet for APEX

Pro-care Turn Support Surface

Pro-care Turn dynamic air mattress system is provided with a standard cover (sanitary cover sheet) with high-performance technical material which covers them completely and is biocompatible, with low friction & shear forces, water resistant and highly vapour permeable.

The highly bi-elastic cover on Pro-care Turn adapts to the body morphology, preventing formation of folds and have a low coefficient of friction to reduce friction and shear force.



The cover is also radiolucent and completely removable thanks to a two-way all-round zipper with nonmetallic, large anti-tear, anti-jam teeth.

The compose of the fabric is biocompatible and free of latex as well as toxic elements, it is highly resistant and breathable. Furthermore, it is also certified and approved with BS 7175 Crib 5/7 flame retardant standard.

The structure of the cover is sewn, and unlike the common sheets, the seams of the sheet is fully high frequency welded to reduce the risk for contaminants to passing through.

The cover can be easily cleaned with normal non-aggressive detergents, and are washable at 95°C. They can also be sanitized through using the sanitizing detergents listed according to the approved guidelines.

Breathability Moisture vapor transmission rate (MVTR) is 2315 g/24hrs/m² according to ASTM E96 Procedure BW. Breathability takes place by osmosis, therefore, there are without continuity solutions and thus maintaining a monolithic barrier to bacteria & pollutants.

Friction Antifriction material of low coefficient of friction ($\mu = 0.21$ static, $\mu = 0.17$ dynamic, according to ASTM D1894) to reduce friction and shear force.

Washability High resistance to washing according to ISO 6330. Washable up to 95 C, maximum shrinkage of 3% on warp and weft.

Resistance High mechanical resistance to breakage ($\geq 500N$ on warp, $\geq 220N$ on weft) and resistance to tear ($\geq 9N$ on warp and $\geq 18N$ on weft)

Elasticity Bi-elastic fabric with high modulus of elasticity (lengthening $\geq 70\%$ in warp and $\geq 180\%$ along the weft) to fit the movement of body and preventing the formation of folds.

Removable Completely. With 2-way all-round zip (360°)

Zipper A single piece all-round zipper in very smooth Delrin (Coeff. Friction 0.3), nonmetallic and therefore radiolucent, with large anti-tear and anti-jam teeth, sewn to the support fabric to avoid risk of lost. The one-piece construction eliminates the joints between common zipper "L" zippers, which allow contaminants to enter inside the mattress.

Zipper Cover Large piece flap, sewn and heat-sealed, descending well beyond the zipper itself to prevent contaminants from coming into contact with the zipper, lowering again the risk of contaminating the inside of the mattress.

Seams Stitched on sturdy polyester thread, heat-sealed with radiofrequency after sewing to eliminate the risk of contaminant infiltration along the threads and through the holes of the seams, which is possible in the absence of such feature.

Detergent With normal detergent and/or non-abrasive, solvent and alcohol free disinfectants. The use of chloroxidants agents with Sodium hypochlorite $\leq 1,000ppm$ in 6% is possible if followed by an accurate rinse to eliminate the residues

Main Technical Data

Structure:	Radio transparent, with specific material of medical use, with two-way all-round zipper.
Material	Technical fabric for specific medical user, made of 100% polyurethane on a structure of support in polyester, weight ratio of 45/55%.
Weight	205 \pm 15 g/m ²
Dimensions	Specific for each mattress size.
Fire Resistance	Material are certificated with fire resistant of BS 7175: Crib 5/7.
Biocompatibility	Made entirely with biocompatible material which conforms to ISO 10993-5 and ISO 10993-10.
REACH & RoHS	The fabric is compliant with REACH & RoHS regulations.
Impermeability	Certification of impermeability is in accordance with ISO 6330 9A standard, with high hydrostatic resistance, with high hydrostatic resistant (>6000 mmH ₂ O per BS 3424-26), to guarantee the effective barrier to the penetration of contaminants