



**FLAME RESISTANT:**

All Sure-Chek healthcare fabrics are flame resistant and self-extinguish when a source flame is removed. These products are manufactured and tested in accordance with accepted industry standards. Herculite offers ultra-high flame resistant fabrics: Sure-Chek Blaze Blocker®, and Sure-Chek FR Shield® open flame barrier fabrics. Properly constructed mattresses using these fabrics have passed California Technical Bulletin 129, Boston Fire Code 9-XII and CFR part 1633 (full scale open flame complete mattress burn tests). Sure-Chek Blaze Blocker also passes California Technical Bulletin 133 (full scale open flame complete chair burn test).

**ANTIMICROBIAL FABRIC PROTECTION:**

Sure-Chek healthcare fabrics incorporate a proprietary antimicrobial additive. This controlled release feature allows the migration of the antimicrobial agent to the fabric surface effective for the life of the product. The antimicrobial agent helps protect the fabric from microbial attack and reduces undesirable organic odors. The fabrics have been tested in accordance with AATCC 147, ISO 22196 involving exposure of microbial cultures to test swatches of treated and untreated fabrics. After exposure, the cultures are incubated and quantified. Reduction of growth in the culture exposed to the treated fabric compared to the culture of the untreated control is reported as a percentage.

**THERMAL CONDUCTIVITY:**

Determining a material's comfort and thermal conductivity is related to the rate of heat flow from the skin, to the surface in question. Test method ASTM C-177 measures heat flow through flat specimens at a temperature of 95°F. The results are expressed in British Thermal units (Btu) per hour sq. ft. Sure-Chek healthcare fabrics all perform within a desirable range for patient comfort without sacrificing important technical performance benefits.

**FLUID RESISTANCE & MOISTURE VAPOR TRANSMISSION:**

All Sure-Chek healthcare fabrics are fluid and moisture resistant, reducing the risk of contamination of the mattress from liquids or bodily fluids. The impermeability of a membrane to water movement as a liquid is assessed by measuring Hydrostatic test ASTM D751/A. Moisture vapor transmission is the result of molecular diffusion caused by different levels of humidity on either side of the membrane. The impermeability of a membrane to moisture vapor transmission is measured by ASTM E96/BW. Sure-Chek healthcare fabrics are engineered to provide optimum resistance to moisture vapor transmission.

**STAIN RESISTANCE, CLEANING & DISINFECTION:**

Sure-Chek healthcare fabrics resist staining from most medications, oils, grease and contaminants. A simple solution of neutral soap and lukewarm water is all that is required for cleaning Sure-Chek healthcare fabrics. Most phenolic or quaternary type disinfectants, provided they are applied in concentrations recommended by the manufacturer, may be used satisfactorily. Generally, phenolics are preferable on vinyl products and quaternaries are preferable on urethanes. Iodophor (i.e. iodine bearing) type disinfectants may result in staining, if these are not treated with a diluted (10 to 1) bleach solution within 20 minutes of application or spillage. Disinfectants applied at full concentration or in highly concentrated solutions may damage the fabric. Laundering of thermoplastic fabrics is not recommended. Do not use harsh cleansers, solvents or detergents.

**HYPOALLERGENIC:**

Sure-Chek healthcare fabrics have been engineered to be hypoallergenic and comfortable for the user. They have been used in the healthcare market for many years without complaint due to irritation or adverse skin reaction.

**ANTI-STATIC:**

The Sure-Chek family of healthcare fabrics feature Anstat®, an enduring anti-static property that prevents buildup and retention of electrostatic charges that can interfere with the functioning of sensitive monitoring equipment.

**CONDUCTIVE:**

Sure-Chek Lectrolite® family of products were the original electrically conductive fabrics. They control electrostatic discharge and the accumulation of static charge which may interfere with sensitive electronic equipment.

## **STRENGTH PROPERTIES:**

The thermoplastic surface is reinforced with a textile to provide high tear strength and durability. The Sure-Chek family of healthcare fabrics are engineered to provide the optimum amount of tensile and tear resistance required for their applications without reducing the performance of other characteristics. Various methods are used to evaluate these properties including: Grab Method ASTM D5034, Tongue Tear Method ASTM D2261 and Adhesion Method ASTM D751 (free peel).

## **ELASTICITY & PRESSURE MANAGEMENT:**

Sure-Chek Fusion® and Sure-Chek Surethane® brands are specifically engineered to provide a higher level of elasticity for environments with additional pressure management requirements. Elasticity is often a feature of fabrics used in pressure reduction mattresses. Ideally the fabric will stretch easily to allow body immersion into the supporting surface, and recover to its original dimensions once the load is removed. The Sure-Chek Surethane and Sure-Chek Fusion family of products are designed to provide the optimum level of stretch and recovery.

## **PHTHALATE FREE:**

The Sure-Chek family of products include phthalate free fabric options. Sure-Chek PF is manufactured to comply with CPSIA HR 4040 guidelines.

## **HEAVY METALS:**

Herculite specifies that all materials used in the production of the Sure-Chek line of healthcare fabrics shall not contain any of the following metals: Lead, Chromium, Cadmium, Molybdenum, Due to possible contamination there may be trace amounts of these in any given lot, not to exceed 100 ppm for Cadmium and 50 ppm for lead, Chromium or Molybdenum.

## **BED BUGS/DUST MITES:**

Sealed encasements and/or impermeable exterior fabrics can be used proactively for early detection and infestation restriction of bedbugs and dust mites. Sure-Chek moisture barrier fabrics will prevent pests from infesting mattress and pillow interiors. Sure-Chek fabrics can be easily cleaned using neutral soap and lukewarm water.

## **ISO 9001:**

Herculite Products maintains ISO 9001 certification.

## **FABRICATION:**

Sure-Chek products are lightweight and easy to fabricate by all popular methods including sewing, welding or bonding. Refer to individual Properties sheet for specific information.



To help our Customers grow their business by delivering quality products and services distinguished by their innovation and value, on time every day. In turn our Customers give us the privilege of being their solution provider. Simple

## **DISCLAIMER**

This guide is designed to provide appropriate technical information and advice to fabricators and end-users. The information is given in good faith, but because of the many particular factors that are outside our knowledge and control, and affect the use of products, no warranty is expressed or is implied on its accuracy.



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