

NEW TEXTILE DEVELOPMENTS OPTIMISE COSTS AND PATIENT CARE

Swiss knitted fabrics improve ergonomic wearing comfort

Many years of involvement in the sports sector has given Christian Eschler AG in Bühler/Switzerland a broad base of experience in the active wear sector. What could have been more practical than to apply this tried and proven expertise to the "medical textiles and apparel" sector as well? Add to this the constant research and development in all processing stages and the search for new materials that contribute to the optimisation of textiles in the medical environment. At the <Tectextil> trade fair (16-18 June 2009) in Frankfurt/M, Eschler will present its entire range of fabrics, whereby the new developments for the OP and nursing sector will have a particularly dominant position. The objective here is to bring about an improvement in working conditions and thus optimisation with regard to costs and patient care. "Knitted fabrics are much more elastic than conventional woven fabrics," explains Michael Wiedemann, who is in charge of workwear at Eschler, "Knitted fabric thus significantly improves ergonomic wearing comfort."

Two new developments for OP apparel – "Hohenstein certified"

The Eschler knit fabric <e1 Absorption - Peach bioactive> is antibacterial. It is characterised by a velvety touch. By using micro polyester, the make-up of the inside has a "buffed" effect and ensures the well-being of the body through its skin-friendliness, hygiene and freedom of motion thanks to the high elasticity of the material.

The second fabric, <e1 Absorption – Supermicro>, ensures an optimum body climate thanks to the Eschler Comfort System. This is understood to be a coordinated and proven garment system that stands for an optimum body climate, a pleasant wearing feeling and maximum comfort. In addition, the long durability makes it highly cost-effective. Savings potential in reprocessing is ensured by the following characteristics: low particle loss, quick drying and antistatic (per EN 1149-3). An objective assessment of thermophysiology and skin sensitivity by the Hohensteiner Institute resulted in the wearing comfort grade of "very good".

Knitted fabric for smocks and trousers in the hospital and nursing sector

With the knitted fabric <e1 Absorption – PES>, the processing of PES filament yarns on the top side of the fabric and a special yarn on the inner side has significantly reduced particle loss, thus reducing the risk of spreading bacteria. The combination of spun yarn on the inside and micro polyester on the outside also ensures good breathability and outstanding wicking. The result is an absolute feeling of well-being for the body while at work. In addition, the elastic knitted fabrics ensure a pleasant freedom of motion, which thus leads to improved ergonomic wearing comfort. The synthetic fibres result in faster drying, which consequently leads to energy savings when being laundered. In turn, a very promising step has been taken in the area of hospital work wear.

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swiss **TEXTILES**



ESCHLER - Touch Swiss Comfort: Founded in 1927, the Christian Eschler AG quickly advanced to become one of the world's leading manufacturers of functional knit fabrics. Today, the family owned business, based in Bühler/Switzerland, is managed by the third Eschler generation and specialises in sportswear, work wear, technical textiles and lingerie. As one of the first textile companies, Eschler committed itself to an environmentally friendly production cycle by becoming a bluesign® system partner. The independent bluesign® standard meets strict requirements regarding sustainability, health as well as resource efficiency.