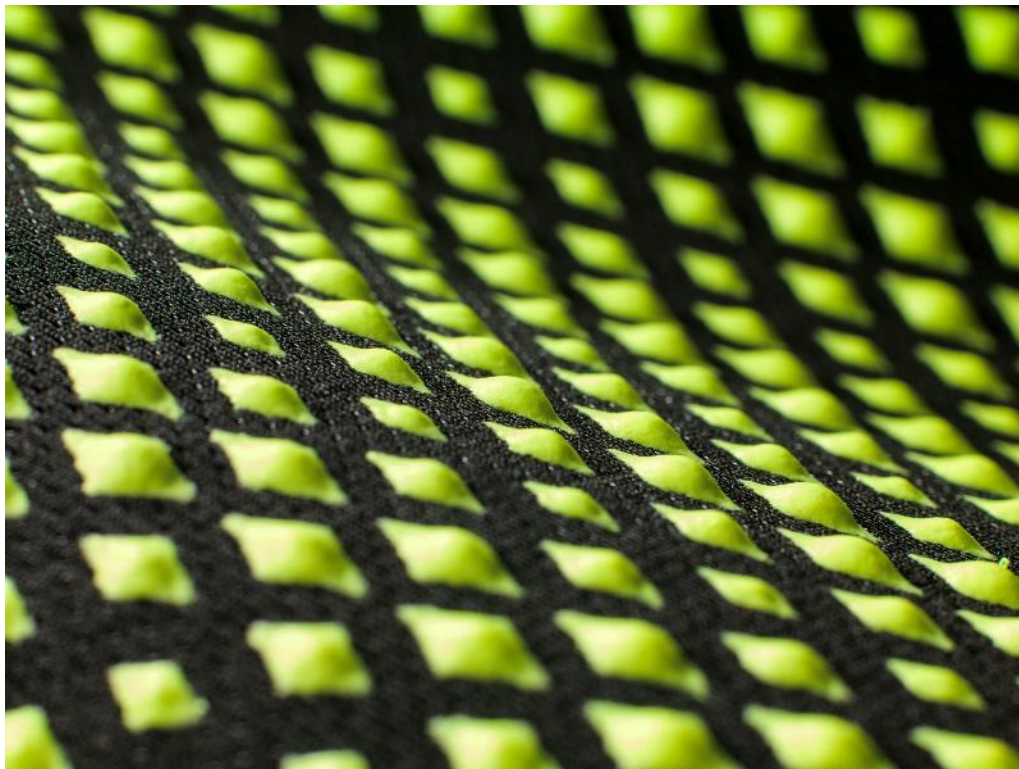


Quality, innovation and ecology: success factors for functional textiles from Germany

Trans-Textil relies on sustainable partnerships, technology and environmental management



The Topaz Dots technology from Trans-Textil is based on environmentally friendly aqueous formulations and offers versatile possibilities in function and design.

With its in-house development, state-of-the-art production facilities, strong partnerships and a focus on quality and ecology, Trans-Textil GmbH is fully committed to the future trends in the functional textile market. The specialists for multifunctional textile systems at Techtexsil in Frankfurt (Hall 3, Stand H56) offer an insight into their latest developments - from 3D ready-mades for aerospace applications, through natural fiber laminates and certified multi-risk protective clothing to the innovative and environmentally-friendly Topaz Dots coating technology aqueous formulations.

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"We are experiencing that customers increasingly rely on partners who offer a consistent high quality level as well as additional service in multifunctional applications such as for protective clothing and are available for long-term partnership and development cooperation," said the managing director Dipl.-Ing. Wilhelm the strategic initial situation of the Trans-Textil GmbH. "Companies from various industries are also looking for new textile solutions for technical applications. The fulfillment of future-oriented environmental requirements plays a decisive role in all areas of innovation".

In order to meet these requirements successfully, Trans-Textil has invested heavily in recent years: in modern production facilities, research projects, expanded possibilities for development and testing in-house as well as in a highly qualified team. Developments in the field of membrane technology, equipment and coating formulas, processing and textile experience of 40 years form the starting point for very short time periods from the project to flexible and fast serial production.

Topaz Dots coating: versatility in function and design

The recent development for the PUMA sports brand is proof that this commitment to the market is very well received. The Topaz Dots coating on an aqueous basis, which gives the latest generation of football shoes its unique three-dimensional colored look similar to reptile skin, has been developed and implemented by Trans-Textil GmbH together with its technology partners. Innovative functionality for top-class and team sports, design, high technical requirements and ecological safety were the main focus.

The Topaz Dots technology has so far already been successfully used as a spacer system in the high-quality fire service clothing or as part of a joint patent with AIRBUS in the VAP® lightweight construction process. The individual adaptation of the basic formulations and the processing technology of Trans-Textil thus creates a broad range of technical features and design options in a partial or full-surface coating. Color, pattern, abrasion resistance and temperature stability, water resistance, or breathability may be defined depending on the requirements.

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Topaz ELEMENTS: sustainable commitment

"Those who wear and use PPE products demand, first and foremost, our functional textiles reliably against the elements of rain, wind, heat, cold and other environmental influences. It is about the health of the users and not infrequently about vital functions in professional use", said the Trans-Textil managing directors Manfred Hänsch and Matthias Krings. At the same time, ecological requirements are growing through legislation, certification bodies, customers and users. "We are very committed to these challenges - especially through intensive cooperation with our customers, the partners in the auxiliary industry as well as in research and testing institutes".

The compatibility of high, targeted protection with a gentle handling of natural resources and the lowest possible impact on the vital elements air, water and soil are central points of the company's sustainability concept Topaz ELEMENTS. In terms of environmental protection, Trans-Textil has always been a pioneer. The company's growing environmental requirements are also an incentive for the development of alternative products and the opening up of niches - for example, through product formulations on an aqueous basis or the new collection of laminates based on wool and other natural fibers.

Trans-Textil GmbH has been certified according to the criteria of the Öko-Tex 100 standard, the certification according to EN ISO 9001, EN ISO 14001 and OHSAS 18001 (OHRIS). The functional textiles also meet the requirements of the European standards for high-visibility warning clothing (EN 471), fire service gowns (EN 469 / HuPF) and heat protection clothing (EN 11612), clothing for protection against bad weather (EN 343) and cold (EN 342), antistatic protective clothing (EN 1149), surgical shawls and blankets (EN 13795) or safety shoes (EN 344).

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