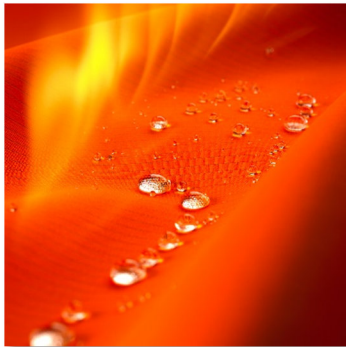


PRESS RELEASE

pyroshell™ – permanent flame protection on multi-norm synthetic fabrics



Schoeller Textil AG is setting new standards in the multinorm fabric sector with the introduction of its brand new pyroshell™ flame protection technology. Reliable protection from heat and flames on synthetic fabrics ensures outstanding safety and visibility in all EN ISO 20471 colors. Applications on light, elastic fabrics – if desired, combined with membranes and/or other technologies such as the highly abrasion-resistant ceraspace™ – introduce even more freedom of movement and function into everyday working life.



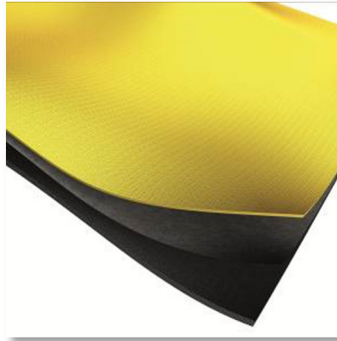
With its new **pyroshell™** technology, Schoeller Textil AG has succeeded in uniting permanent flame protection with light polyamide or polyester fabrics. For example, **pyroshell™** flame protection can be combined with the highly abrasion-resistant **ceraspace™** technology. Flame protection has become mandatory for personal protective equipment for many

positions, including security staff, railways workers, police officers, staff in power stations and workers in the oil and gas industry, so that they are ideally protected when they come into contact with fire and sparks.

Made-to-measure flame protection

The familiar benefits of synthetic functional fabrics based on polyamide or polyester are not diminished with **pyroshell™**, such as clothing comfort, breathability, tear resistance, abrasion resistance, elasticity or ease of care. A particularly outstanding feature is the fact that when used on suitable polyester fabrics, flame protection and visibility can now also be achieved in all the colors for **EN ISO 20471** high-visibility clothing – neon yellow, neon orange and neon red. **pyroshell™** is more than just a technology. It is a comprehensive modular concept. All these multinorm fabrics comply with **EN ISO 11611** (protective wear for welding and related processes) and **EN ISO 11612** (protective wear for heat and flames). Depending on the area of use and the requirements profile, **pyroshell™** flame protection fabrics also comply with the most varied of norms such as **DIN EN 1149** (electrostatic protection), **EN 343** (weather protection wear), **EN 61482-1-2** (protects the wearer from the hazards of an electric arc) or **EN 13034** (protects the wearer from liquid chemicals).

PRESS RELEASE



Pyroman testing pursuant to **EN 13506** confirms that textiles with **pyroshell**[™] lead to significantly reduced burn injuries compared to conventional flame protection textiles. The light protective fabric can be offered in comfortable mono-elastic or bi-elastic qualities or in a non-elastic version. All **pyroshell**[™] qualities are manufactured as **soft shells** and are also available in camouflage

for military uses. The fabrics no longer need to be lined during garment making and are all windproof. With an additional membrane layer and a fleece backing, or a reverse suitable for taping, warming, windproof and waterproof versions are also possible.

The **pyroshell**[™] technology is produced in accordance with the **bluesign**[®] system and permits permanent flame protection on a purely physical basis. Every use of environmentally-harmful flame retardants or additives such as halogens and phosphor has been eliminated. Further Schoeller finishing technologies such as **NanoSphere**[®], **3XDRY**[®] or **coldblack**[®] can be applied without affecting the flame protection, thus expanding the spectrum of protective functions and wearability. The ecological, fluorocarbon-free **ecorepel**[®] **Bio** and **3XDRY**[®] **Bio** impregnations have also recently become available.