

A peek at Performance Days

Outlast

Hall C6, Booth F04

As demonstrated to delegates of the November Performance Days showcase, textile innovator Outlast will once again draw attention to the versatile applications of its phase change materials. With proactive heat and moisture management capabilities, the firm's intuitive coating solution has been adopted in sportswear, athleisurewear, footwear and spacesuits used by NASA.

The company's microencapsulated Thermocules solution is able to absorb, store and dissipate heat to optimise comfort for the wearer.

The phase change material is the only of its kind to carry the Certified Space Technology seal of approval, Outlast says, after being initially designed for NASA.

Polartec

Hall C6, Booth K04/K05

Polartec's sustainability efforts will be at the forefront of its exhibit in Munich as it spreads the message of its Eco-Engineering initiative. The US firm has pledged to use recycled and biodegradable materials across its entire product line and has partnered with Unifi and Intrinsic Advanced Materials to boost its chances of prolonged success.

The innovators have paired Unifi's textile solutions with CiCLO technology, said to promote the biodegradation of polyester, nylon and polyurethane.

"By collaborating with the best in the business, Polartec is committing to the pursuit of a future where everything is eco-engineered to use recycled inputs and to be biodegradable," says Gary Smith, Polartec CEO. "This is the culmination of over 25 years of Polartec investment and innovation."



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Polygiene

Hall C6, Booth K14

Following the recent launch of its new Odor Crunch technology, Polygiene will leverage the Performance Days platform to further promote its new textile treatment for functional fabrics.

Odor Crunch particles are silicon dioxide molecules which when catalysed with air break down the odour molecule. "Adsorption is the better description of what Odor Crunch is doing," Polygiene marketing manager Nick Brosnan says. "This is because it attracts odour molecules to its surface and then breaks it down through the process as described. Providing the brand with a true odour free garment and an environmental message of needing to wash less."

Dyneema

Hall C6, Booth I17

High performance fibre manufacturer Dyneema has responded to calls from

the outdoor industry to develop lighter weight products for consumers of all levels, from advanced explorers to nature enthusiasts.

Dyneema's flexible composite fabrics are said to be suitable for apparel, tents and backpacks. Despite a lighter weight, the firm says its fabric's durability is not compromised. Dyneema fibres are reportedly the strongest man-made fibres in the world and are said to be 15 times stronger than steel, weight-to-strength. With waterproof-breathable fabrics the company has also broadened the functionalities of its product portfolio, which can now be leveraged for more versatile applications.

Sympatex

Hall C6, Booth C11

A core message inspired by Swedish climate activist Greta Thunberg will be carried through into Sympatex's exhibit in Munich. The company, one of only an

initial 40 signatories of the UN Fashion Industry Charter for Climate Action, will outline its solutions for a more sustainable future through the marketing of its PTFE-free and 100 per cent recyclable membranes.

Utilised in an array of high performance products, Sympatex's membranes can reduce total CO₂ emissions by 50 per cent during the production of a functional jacket, 60 per cent during glove manufacture and 15 per cent for functional footwear.

Primaloft

Hall C6, Booth G11

The recent announcement made by Primaloft highlighting that the company's Bio fibres can be chemically recycled will be a major talking point of the company's at its exhibit at Performance Days. As a result of third-party testing the firm has proven that its polyester fibres can be chemically recycled with a 95 per cent yield rate.

"The intention of PrimaLoft Bio was always to address the eventual end of life of a garment in an impactful way, while finding a solution for the industry-wide microplastics issue," says PrimaLoft president and CEO Mike Joyce.

With such efficient recycling means, Primaloft continues its efforts in developing solutions for the circular economy. Customers can resultantly rest assured that end-of-life garments which integrate Primaloft Bio fibres can be almost entirely upcycled for re-use.

HeiQ

Hall C6, Booth E05

For Swiss innovator HeiQ, silver-free and less-silver odour control solutions will be prioritised as it looks to highlight the versatility of its product portfolio.

HeiQ Fresh FFL is the company's silver-free anti-odour treatment. A bio-based amino sugar polymer, it is able to eliminate the fat and proteins which, in warm environments, mix with sweat and bacteria to create odour. This amino sugar polymer also binds to the fibre, which allows odour to be easily washed off at a low temperature.

The company also has at its disposal a

90 per cent bio-based solution which uses only minimal amounts of recycled silver. Similar to HeiQ Fresh FFL, HeiQ Pure SPQR removes two of the five precursors needed to cause sweat odour – fat and protein from sweat as well as bacteria.

ISKO

Hall C6, Booth F03

A follow on from its debut at the Performance Days trade show in November, ISKO will again highlight the versatility of its Arquas 5.0 fabrics this spring. Categorized for: active, outdoor, hybrid, golf and horse riding, the cross-functional fabric platform will again be spotlighted in Munich.

The company's more recent product release, ISKO Vital will also be of focus for Performance Days visitors. The line of compression apparel is said to be beneficial in activity, facilitating a pumping mechanism that improves blood flow in the veins, forcing it back to the heart. Developed for the athleisure market, ISKO Vital is said to aid recovery after high-impact sports, decreasing muscle soreness and allowing a better muscle oxygenation.

ISKO debuted its Arquas 5.0 fabrics at Performance Days in November.



Ho Yu Textile Co.

Hall C6, Booth B06

Taiwanese manufacturer Ho Yu will showcase its series of graphene enhanced textiles to visitors at Performance Days as it promotes the various performance applications graphene can be leveraged in. Developed in an 'eco-friendly' process with no heavy metals, the technology can be integrated within woven fabrics to integrate long-lasting cooling or warming effects, the company says.

Ho Yu's Econyl fabric is another fibre which will be of focus in Munich. The regenerated nylon fibre is used in an array of activewear products for yoga, swimming and general sportswear. All fabrics are bluesign approved and GRS certificated.

Dri Release

Hall C6, Booth C07

According to textile innovator Dri Release, hundreds of the world's most respected brands utilise its fabric innovations. As such the firm will use the Performance Days platform to highlight the effectiveness and reliability of its products once more.

With functionality at its product line's core, Dri Release fabrics are non-chemical moisture wicking, fast drying (4x faster), offer natural cooling, and are pilling resistant. The company also champions its sustainability credentials, with its Eco fabrics made from a blend of recycled polyester, Lyocell and Acetate.

Prym

Hall C6, Booth N10/N11

For Hong Kong firm Prym, the priority of its Performance Days showcase will be its L.I.F.E. (Low Impact Fastener Ensemble) certified fasteners. Made to adhere to one or more of the following principles: fewer harmful substances; fewer material inputs; the elimination of heavy metals; and less energy, Prym's L.I.F.E. fasteners are said to reduce water consumption by 65 per cent, chemicals by 98 per cent, hazardous waste by 85 per cent, and electricity by 16 per cent compared to standard practice. **T.EVO**