

Performance Apparel Markets: Product Developments and Innovations, November 2017

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Abstracts

This report provides information on the latest developments in environmentally sustainable footwear, environmentally sustainable workwear, insulation materials, new fibres, new finishes, performance fabrics and yarns, sports apparel, wearable technology, and workwear. The report includes news from the following innovative companies and other organisations: Coolcore, Cordura, Cotton Incorporated, DuPont, the Hohenstein Institut f?r Textilinnovation (Hohenstein Institute for Textile Innovation), Lubrizol, Nike, Nottingham Trent University (NTU), Patagonia, Polartec, PrimaLoft, Red Bull, Schoeller Textil, Thermore, the University of Manchester and Vaude.

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SUMMARY

ENVIRONMENTALLY SUSTAINABLE FOOTWEAR

Vaude has developed an environmentally sustainable footwear collection

ENVIRONMENTALLY SUSTAINABLE WORKWEAR

Patagonia has developed a collection of workwear which incorporates a new environmentally sustainable canvas fabric

INSULATION MATERIALS

Polartec has developed a new insulation material called Polartec Power Fill
Thermore has developed a new stretchable insulation material called Thermore Freedom

NEW FIBRES

Lubrizol and Schoeller Textil have collaborated in the development of warp knitted fabrics which incorporate Lubrizol's new X4zol-J fibre

NEW FINISHES

Schoeller Textil and Red Bull have collaborated in the development of a performance finish called Taurex

PERFORMANCE FABRICS AND YARNS

Coolcore has developed a new fabric collection called Natural Performance
Cordura and Cotton Incorporated have collaborated in the development of a new fabric collection

PrimaLoft has developed a new range of performance fabrics and a new collection of performance yarns

PrimaLoft Performance Fabrics

PrimaLoft Performance Yarn

SPORTS APPAREL

Nike has developed a sports bra which is made using the company's Flyknit technology

WEARABLE TECHNOLOGY

DuPont has developed stretchable inks and films for use in the manufacture of smart clothing

Researchers at Nottingham Trent University (NTU) will develop textiles which can monitor the stress levels of aircraft pilots

Researchers at the University of Manchester have developed flexible supercapacitors which can be printed on to textile substrates

WORKWEAR

Researchers at the Hohenstein Institut für Textilinnovation have developed an ergonomic work jacket for use in conjunction with an exoskeleton

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