



Factsheet Phaseable®

Sympatex Technologies GmbH:

Improved body climate due to ecologically compatible 3D technology

An accelerated moisture transport and more comfort for outdoor athletes – This is possible with the new Phaseable® by Sympatex Technologies. The new 3D apparel technology has been presented for the first time at the OutDoor Fair 2013. The three-dimensional Phaseable®, which is ecologically compatible and produced in a sustainable way, influences the body climate of the wearer in an intelligent way.

The 2.5-layer laminate works like this: The three-dimensional half-layer on the inside of the laminate only touches the skin punctually in the form of foam points. During the recovery phase of the athlete, an insulating air layer is created between the skin and the laminate. When the physical activity is increased, moisture is produced, which lets the compact hydrophilic Sympatex membrane swell up. Thus, the foam points disappear, the distance to the skin is reduced, and the laminate gets closer to the skin. The dynamically active Sympatex membrane additionally increases the moisture transport.

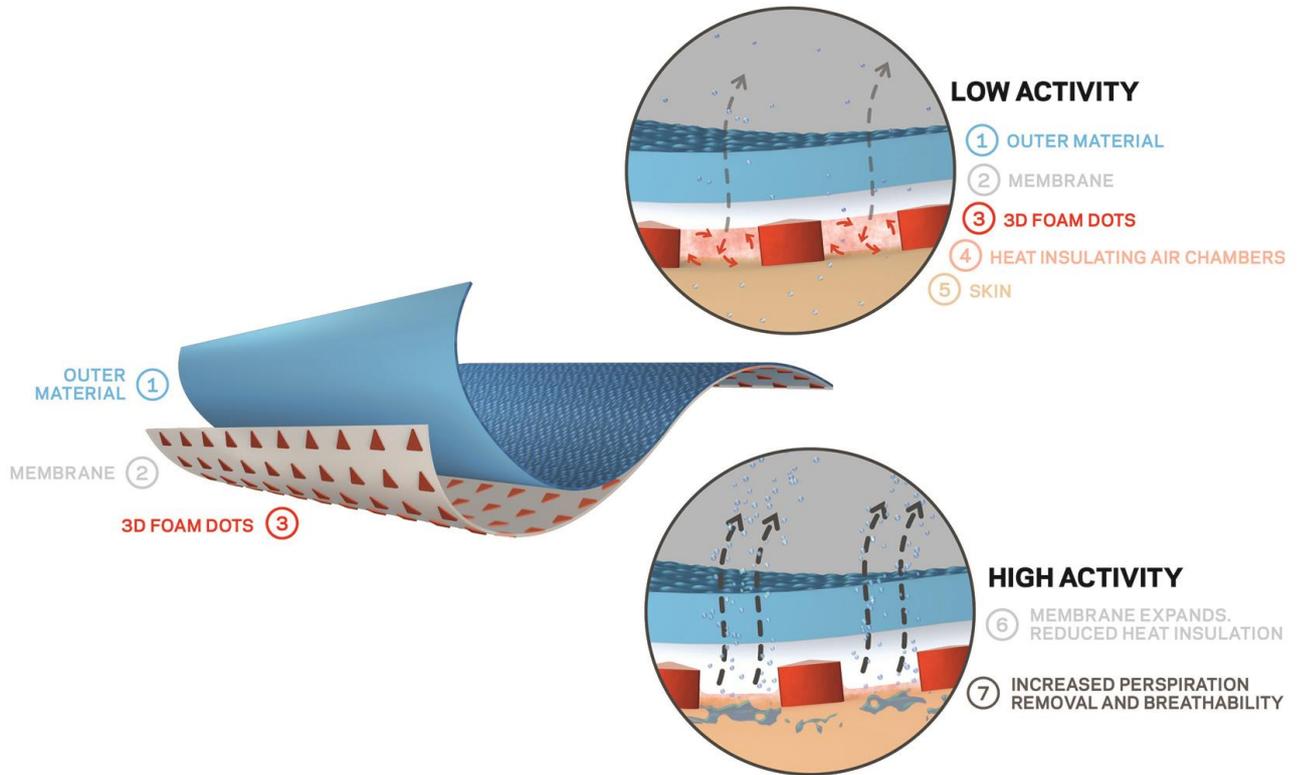
Top Performance – Maximum Ecology

The laminates with the Phaseable® technology offer optimal technical values while being extremely abrasion-resistant: “The three-dimensional 2.5-layer laminate is as light as a 2-layer laminate, but it still offers the stability of a 3-layer laminate,” says Haymo Strubel, Director Apparel Sympatex Technologies. “In addition to the high requirements in regard to the performance, we have clearly focused on the ecological compatibility of the product during the development of Phaseable®,” adds Mr Strubel. As an ecological alternative among textile functional specialists, Sympatex doesn't use any solvents for its technology. The carbon footprint is also kept as low as possible, because Phaseable® is entirely produced within the EU. Another advantage: The top performance and maximum ecology of Phaseable® is enhanced by a fantastic fashionable component thanks to the individual design of the foam points.

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