



Factsheet Moisture-tech® by Sympatex

Sympatex Technologies GmbH:

Novel waterproof lining laminate provides perfect microclimate in shoes

Unrivalled breathability and performance – Sympatex Technologies has introduced Moisture-tech® by Sympatex for the first time at ISPO 2012: Moisture-tech® by Sympatex creates a considerably increased breathability and thus a perfect climate comfort in shoes.

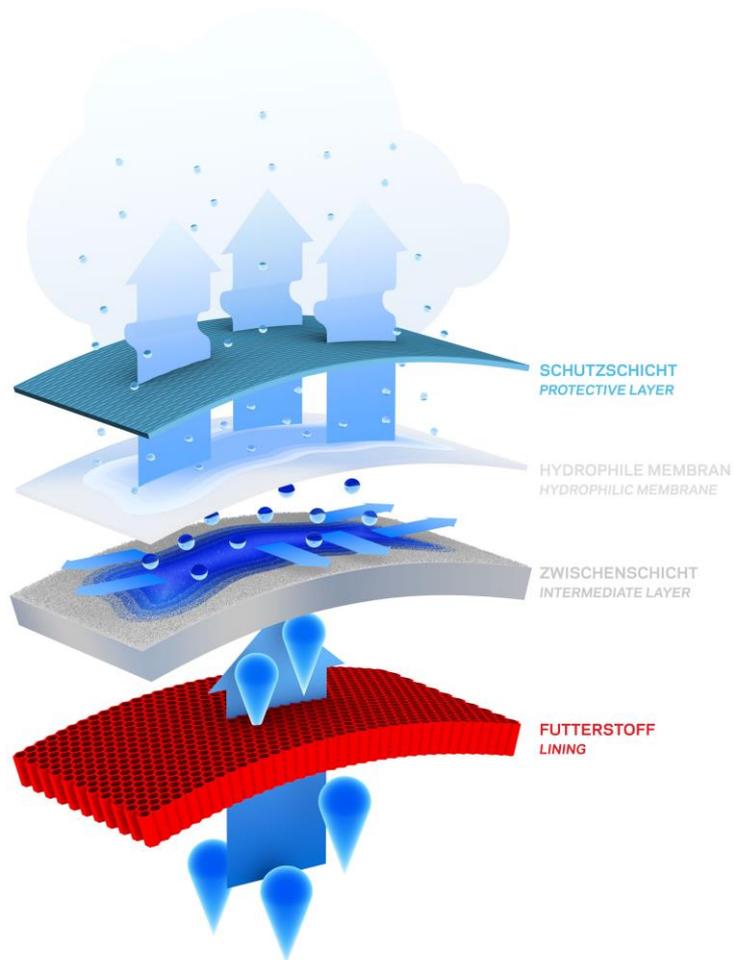
How it works: Moisture is wicked quickly from the foot through the inner lining and into the hydrophilic intermediate layer. During strenuous physical activity the surplus moisture is buffered there and cannot get back into the inner lining due to the suction effect which is directed towards the outside. The moisture is transported to the hydrophilic membrane through an innovative intermediate layer. Once there, the moisture generates large scale activation of the hydrophilic membrane which speeds up the transmission of water vapour. This high activation (high moisture concentration on the membrane) also supports dynamic breathability.

The benefit: High wearer comfort and dry feet for maximum performance in changing climatic conditions. Faster drying of the inner lining in extremely wet conditions and reduction in odour formation. The innovative technology proves its worth in particular during strenuous physical activity in the outdoors or at work. In firefighter boots Moisture-tech® is also the solution to unpleasant heat and moisture development in the boots and thus reduces the risk of blister formation on feet.

Contact:

Sympatex Technologies GmbH
Public Relations
Sonja Zajontz
Mail: sonja.zajontz@sympatex.com
T +49 (0)89 940058 439
Feringastrasse 7A
85774 Unterföhring
www.sympatex.com





Conclusion: On the basis of a footwear comfort test using the Empa foot model, the Empa test confirmed the superiority of Moisture-tech® technology compared to top competitor technologies in terms of moisture management and heat blocks in footwear.

*Empa: Eidgenössische Materialprüfungs- und Forschungsanstalt Schweiz; Empa Prüfbericht Nr. 460'650/09.05.12

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