

Press Release

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New Ways for Smart Bedding

At Heimtextil 2019 (8. - 11. January, Frankfurt/Germany) Outlast will present its proven technology for proactive temperature management. New product innovations based on sustainable materials and new approaches that offer home textile brands more individuality and differentiation, will further strengthen the company's market position as global provider of PCM solutions.

The future of sleep will be a particular focus at this year's Heimtextil in the new 'Smart Bedding' hall 11. Here, at stand C61, Outlast will present the broadest portfolio of solutions for proactive temperature and moisture regulation based on phase-change materials (PCM).

"While all our solutions aim for a natural, healthier sleep in the own comfort zone, each of our customer projects require a unique approach. We always seek the product from our Outlast® portfolio that will best fulfil the requirements of the end use." says Martin Bentz, managing director of Outlast Technologies GmbH. Ranging from coated textiles to viscose or polyester fibers as a filling, to foam spraying – for over two decades manufacturers of mattresses, pillows, comforters, and other home textiles worldwide have been trusting in Outlast® technology. "Our focus is always a solution that best supports the brand manufacturer's product promise and messaging", Bentz continues. "For this we constantly work on new, innovative product developments that extend the benefits of smart temperature regulation by additional values. These values support our customers to attract new buyers and react on specific market demands."

Sustainability

The PCM expert has now taken the next step towards more sustainability and presents new products based on recycled material as the latest additions to the Outlast® portfolio. Constant reduction of the ecological footprint has always been a focus for technical development. Certifications such as OEKO-TEX® 100 class 1, resource-friendly dyeing and production processes in accordance with the highest quality standards are part of the Outlast® technology for many years.

In the new Outlast® products, temperature regulating technology is applied to base material (knitted fabric or nonwoven) which is produced from 100 % recycled polyester textiles or PET bottles and therefore meet the Global Recycle Standard (GRS). Further products that use renewable materials for other components of the technology are planned to expand the portfolio in the near future. With this initiative towards greater sustainability, Outlast continues to focus on making bedding even smarter.

Technology Plus

For bedding products that are targeted to customer segments with an advanced demand for temperature and moisture regulation, Outlast offers the Xelerate product line. Similar to a “distribution booster”, these fabrics with an additional heat-spreader technology dissipate excess heat much faster and make the PCM process more active and efficient. These innovations will be particularly interesting to bedding manufacturers that want to address specific customer groups with an extra plus of technology. Xelerate products are extremely suitable for bedding products for those that suffer from hot flushes and night sweat attacks, as they occur e.g. during menopause.

More Individuality

The proven Outlast® technology is also available in new visual variations. To home textile brands, this offers not only more individuality but also new possibilities to differentiate within the own product range as well as from their competition. Color variations for example, could support the marketing of exclusive bedding programs or help communicating different product lines.

Overall, Outlast continues its technology promise to make sleeping smarter and more natural. New ways to combine a high class temperature regulation technology with additional values as an answer to the latest market demands will be presented to manufacturers of bedding and home textile products at **Heimtextil in Frankfurt/Germany from 8. - 11. January 2019 in Hall 11, Stand C61.**

About Outlast

Outlast is a leading provider of phase-change materials (PCM) for proactive temperature regulation and offers the broadest range of solutions for various end uses. The globally active technology enterprise is headquartered in Heidenheim/Germany, with offices in Golden/Colorado, USA as well as in Hong Kong and maintains further sales offices in Europe, Asia, Australia and Latin America.

Originally developed for NASA to protect astronauts from temperature fluctuations in space, Outlast® has ever since continued to push the limits of this technology across hundreds of brands and thousands of products. The company has always been committed to the development of new fibers, fabrics and coatings incorporating phase-change materials, expanding the use of Outlast® technology across more than 300 brands and a multitude of products in bedding, apparel, footwear, and accessories. Not content to be confined to these more traditional applications, Outlast is also actively exploring the benefits of its technology to home furnishings, military, and medical applications. For more information about Outlast and the technology that carries the Certified Space Technology™ seal since 2003, please visit www.outlast.com.

Outlast® is a registered trademark of Outlast Technologies LLC.

Photos: Comfort Zone Infographic, current product photos (fabrics)

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Further Information on Outlast® Technology

Proactive & dynamic: This makes Outlast® smart

Originally developed for NASA to prevent astronauts from extreme temperature fluctuations, Outlast® technology uses phase-change materials (PCM) to counteract temperature swings proactively in both directions. The capacity to absorb, store and release heat enables any product containing Outlast® technology to continually regulate the skin's microclimate. As the skin gets hot, the heat is absorbed, and as it cools, that heat is released. The technology works proactively and sets in a lot earlier than others that either isolate or merely transport sweat away when it already occurred. The climate corridor between skin and bedding textile is balanced constantly thanks to Outlast® - a prerequisite for a deeper and healthier sleep. Benefits of Outlast® products at a glance:

- Less overheating
- Less chilling
- Less perspiration
- Even heat distribution
- More comfort all night long

Images

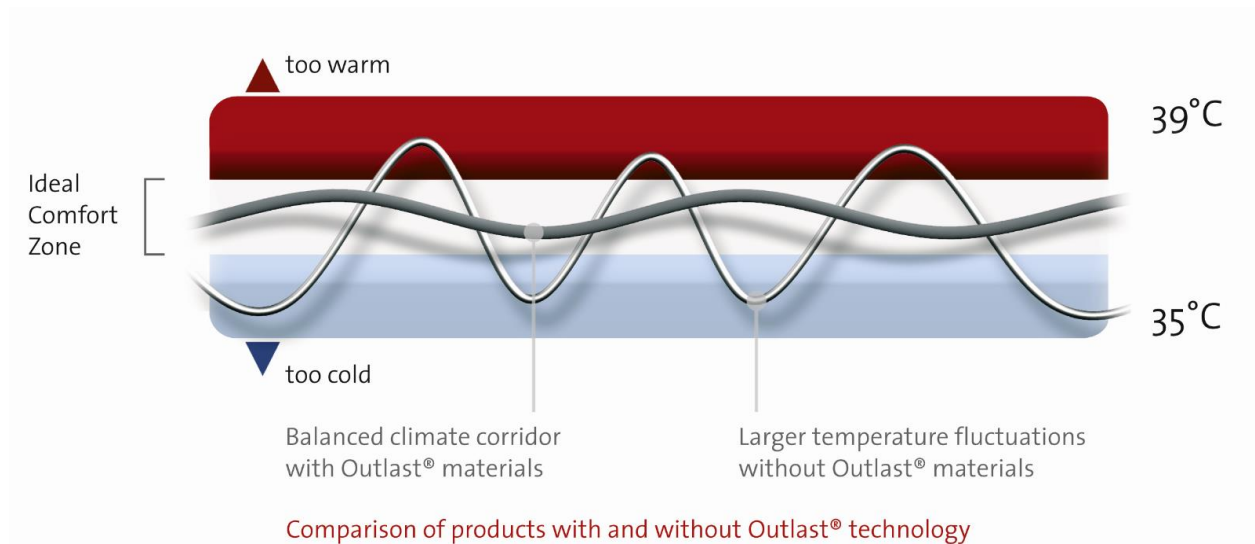


Image 1 (outlast-comfort-en-2019)

Outlast® technology helps to balance the micro climate throughout the night. It continuously and proactively reduces hot flushes, chilling, moisture and sweat that create discomfort and may disturb sleep.



Image 2 (outlast-material-lyocell)

Outlast® liner Bayfield combines temperature regulating technology with a base material produced from the biodegradable cellulose fiber Lyocell. The result is a smart, extremely soft interlayer, perfect for bedding products of highest quality and comfort.



Image 3 (outlast_recycled_polyester)

In the new Outlast® fabrics, temperature regulating technology is applied onto 100 % recycled polyester produced from recycled textiles or PET bottles, meeting Global Recycle Standard (GRS).



Image 4 (outlast_material_xelerate)

Outlast® Xelerate combines phase-change materials (PCM) with a heat-spreader technology to absorb and distribute excess heat even faster.



Image 5 (outlast_material_glacier)

Outlast® material with PCM coating as color variation. The new visual variations will offer bedding manufacturers more individualism and differentiation of their products.

Further image material, company logo or portrait pictures of the general manager upon request from:
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