

# Press Release



Heidenheim, April 2015

## Outlast received Innovations Award

Outlast's "Universe" selected as Top 10 Textile Innovations

Outlast Technologies, market leader for temperature regulating phase change materials (PCMs), has received the Top Innovation Award for its cutting-edge filling material Outlast® Universe, a blend of the climate regulating Outlast® viscose fibers and downs.

FabricLink Network (FLN) has announced its Top 10 Textile Innovation Award winners, recognized for producing exceptional textile-based materials and technologies that were launched in the past year and are commercially available. The awards, presented by the Tarzana, California-based trade group, honors both companies and researchers in categories such as innovative manufacturing and production technologies, novel insulation solutions and advancements in textiles for a variety of markets.

Outlast is honored to be included in FabricLink's list of Top 10 Textile Innovations of 2014-2015. Amongst other selected companies like 3M™ Thinsulate™ and Schoeller for their new textile developments, Outlast Technologies was recognized for its most recent development of phase-change material viscose fibers blended with down, "Universe". This mixture creates a filling material that provides both temperature regulation and natural loftiness; great for use in outerwear apparel and accessories. The Outlast® fibers react to changes in skin temperature and environment - continuously absorbing, storing and releasing excess heat. In warm climates, the Outlast® fibers absorb excess heat and as the climate cools, those fibers release stored heat back to you - working to proactively manage your temperature.

While incorporating "Universe" into a product offers added value and performance, it can also reduce the costs compared to using 100% down material. The down adds advantages of loft while the PCM regulates your climate comfort - resulting in a light filling materials that keeps you warm while reducing overheating and sweating.

Outlast is proud of the new award for its proactive PCM technology. Contrary to other technologies that are merely transporting sweat Outlast® technology is not a wicking technology. Outlast® technology proactively manages the skin temperature while controlling the production of moisture before it begins. That's the Outlast® difference. And you will feel this difference also in comfort and hygiene.

## Outlast® technology

Outlast® technology was originally developed for NASA to protect astronauts from temperature fluctuations in space. Outlast® technology utilizes phase change materials (PCM) that absorb, store and release heat for optimal thermal comfort. Outlast® technology is comparable to ice in a drink; as it changes from solid to liquid, it absorbs heat and cools the drink, keeping that drink at the desired temperature for a longer period of time. Outlast® phase change materials work in the same way. The PCMs have the capacity to absorb, store and release excess heat. This gives any product containing Outlast® technology the ability to continually regulate the skin's microclimate. As the skin gets hot, the heat is absorbed, and as it cools, that heat is released.

Outlast® technology is not wicking technology, which manages moisture by reacting to your sweat and pulling it away from the skin. Outlast® technology will proactively manage heat while controlling the production of moisture before it begins. That's the Outlast® difference. The benefits of Outlast® products at a glance:

- Absorbs excess body heat
- Manages moisture
- Reduces overheating
- Reduces chilling
- Reduces perspiration
- Continuously adapts to thermal changes

Outlast presents the newest innovations at Techtextil from 4 to 7 May, 2015, in Frankfurt; Hall 6.1, Stand C 11.

### Outlast

Outlast Technologies LLC, a privately held U.S. corporation, is the worldwide leader in phase change materials (PCM) and applications. Outlast® technology is the heat management technology originally developed for NASA that enables any textile to absorb, store and release heat. Outlast® technology proactively responds to changes in skin temperature to manage heat and reduce moisture for everyday comfort.

For over 20 years, Outlast has 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 apparel, footwear, bedding, packaging and labels, and accessories. For more information, please visit [www.outlast.com](http://www.outlast.com).

Outlast®, Thermocules™ and ...not too hot ...not too cold ...just right™ are trademarks of Outlast Technologies LLC.

339 words

Pictures: Innovation Award, the Outlast® principle

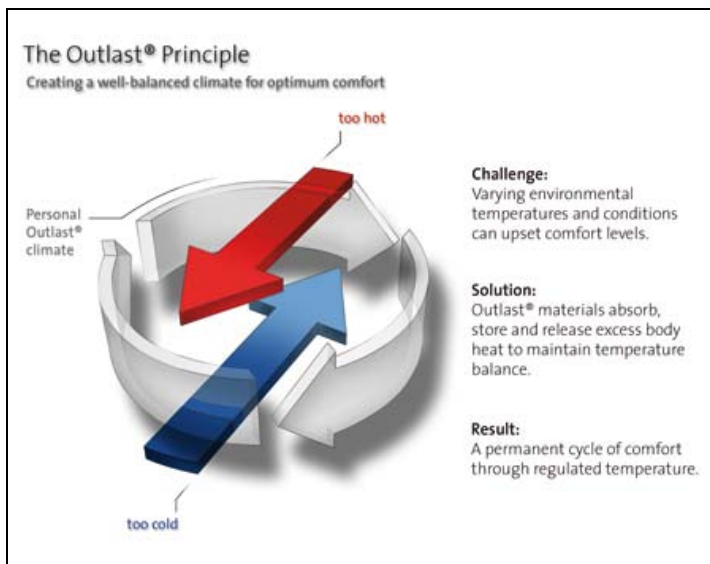
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Picture 1

Outlast Technologies, market leader for temperature regulating phase change materials (PCMs), has received the Top Innovation Award for its cutting-edge filling material Outlast® Universe.



Picture 2

Outlast® technology works dynamically and proactively manages heat while controlling the production of moisture before it begins.

Picture: Outlast Technologies LLC

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information ...

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