



fresh**2**SKIN®

# Cooling Technology

# PUT IT ON AND FEEL FRESH

While additional textile functions often aren't immediately noticeable, fresh2SKIN® provides an effect that can be felt instantly. When wearing a fresh2SKIN® treated item, the cold receptors of the human skin are directly activated and the wearer experiences the garment as refreshing. This positive experience stimulates the buying behaviour of the end consumer and boosts sales for brands and retailers. In addition, fresh2SKIN® can be integrated into existing programs and production processes in a very simple and uncomplicated way.

## How does fresh2SKIN work?



Put it on



Feel instantly  
fresh and cool



Keeps your  
microclimate  
well-balanced

# fresh2SKIN®: A GREAT PARTNER FOR MANY BASIC FABRICS

Our development team makes it possible to apply the fresh2SKIN® cooling technology to a wide variety of base materials such as cotton (including blended fabrics), synthetic materials, knitted or woven fabrics in a very simple and uncomplicated way.

This gives the textiles a decisive, clearly noticeable additional functionality – often essential to convince a consumer at point-of-sale. fresh2SKIN® feels very pleasant on the skin and significantly increases the wearing comfort.



# THE POWER OF MENTHOL LETS YOU STAY COOL

fresh2SKIN®, keeps the wearer cool and fresh, offering excellent hydrophilic properties for long-lasting comfort in warm conditions. But how does it work?

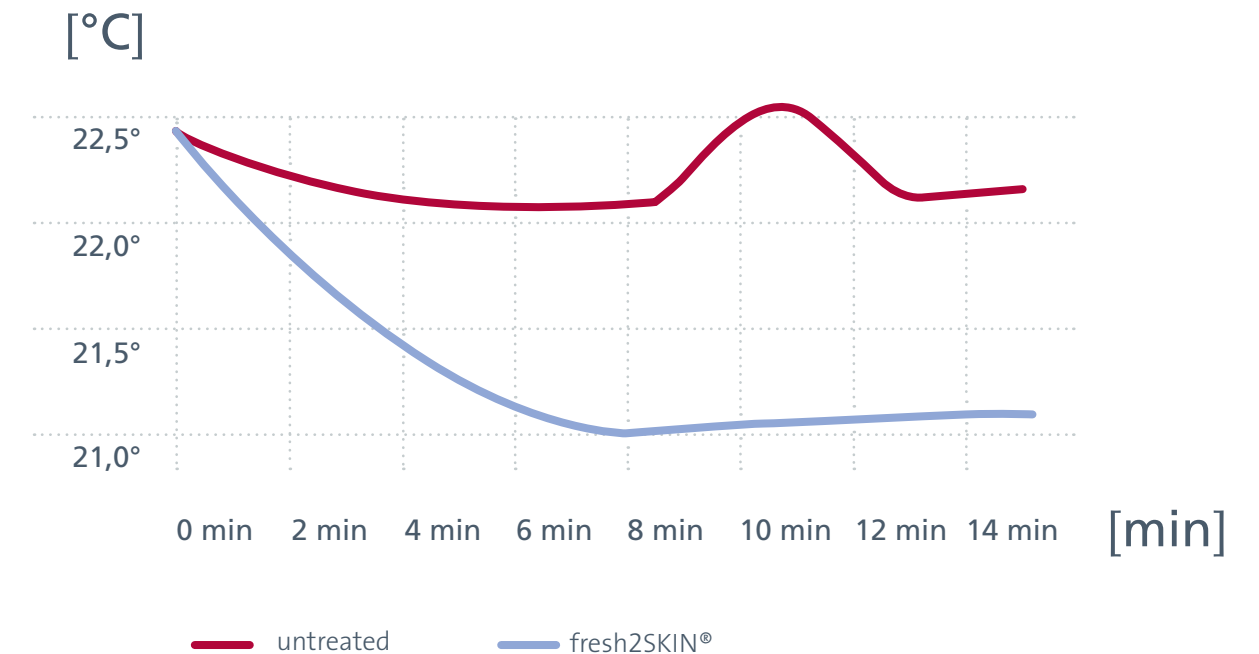
fresh2SKIN® contains menthol which reacts with the skin 's cold receptors and triggers a nerve stimulus. The result is a feeling of coolness.

In a research project by Hohenstein Laboratories GmbH & Co. KG the perceptible cooling effect when using menthol was confirmed

(Textiles with sensory cooling effect – AIF project No. 18181N; July 2016).

When you put on a T-shirt equipped with fresh2SKIN®, it feels as shown in the following graphic\*.

\* This research has been conducted by Outlast Technologies GmbH.





# A GREAT COMBINATION FOR LONG LASTING COMFORT

In addition to the cooling effect, we integrate our proven proactive heat and moisture regulation in fresh2SKIN®. Natural wax based on rapeseed oil buffers heat peaks. Therefore, sweat production is delayed or sometimes even absent; the result is a great feeling of well-being.

Since our proactive heat and moisture management is developed by NASA you can use the “Certified Space Technology” seal for your marketing purposes.





## EASY TO APPLY, BUT GREAT ADDED VALUE

The process of integrating fresh2SKIN® into existing programs is extremely simple. Without requiring any additional or special production steps or processes, the Outlast cooling technology can be applied very easily and cost-effectively. A common dipping process applies fresh2SKIN® to your textiles.



# AN ENORMOUS WIDE RANGE OF APPLICATIONS AND OPTIONS

With fresh2SKIN® we complete our next-to-skin product offering, predominantly aiming at larger volume programs in the field of active leisure or sportswear, casual wear and underwear, as well as for selected textile products in the bedding sector.

The cooling and heat-regulating textiles are also characterized by a wonderfully pleasant soft handle, excellent hydrophilic properties and very good wash resistance. If required, they can be supplemented with antibacterial properties or similar functionalities.

# WHAT ABOUT SUSTAINABILITY?

As a storage material for our temperature regulation Technology we use natural wax based on rapeseed oil and thus consciously choose a renewable raw material that conserves finite resources, harmless to humans and the environment.

Of course, fresh2SKIN® is dermatologically tested and complies with the Standard 100 by Oeko-Tex®\*. In combination with a recycled carrier material, fresh2SKIN® meets all the requirements for a sustainable and highly functional product with real benefits.

\*Provided the base material qualifies.

