

Cool &
Thermoregulation
Finish

temperature⁺

Optimize moisture & temperature balance



SELF-REGULATION WITH A LITTLE HELP FROM OUTSIDE

Our body temperature.

Our body temperature tends to change in time, but is normally around 36.8°C.

This temperature must be as consistent as possible so our body remains in balance and physiological processes take place as efficiently as possible. The body achieves this by using a series of self-regulating mechanisms.

Sweating is one of these mechanisms, and cools us down when we become too hot: we evaporate water, the skin cools and our body temperature drops.

However, in some cases, we sweat more than is needed to regulate our body temperature.

In such circumstances, an appropriate mattress textile can be helpful by serving as a second skin. Namely, fabric treated with **TEMPERATURE+...**

Forget the night sweat.

We all sweat at night. But some people sweat more than others, and that can be a problem: you wake up at night, cold and soaking wet. It can sometimes be so bad that you are forced to immediately change your bed sheets and pyjamas. This can disrupt your night's sleep and result in sleeping problems. This issue can be partly resolved by selecting mattress textiles with a suitable composition and finish.

These textiles are able to absorb excess moisture from the body and then re-hydrate the skin when it's needed, to maintain the required cooling effect.

If we want to keep body temperature at the desired 37°, a high-quality mattress textile with optimal hydrophilic properties is essential. And that is exactly what **TEMPERATURE+** offers!



AN OVERVIEW OF THE BENEFITS

- excellent hydrophilic properties
- ensures extra softness
- anti-static
- washable at 40°

Dual Moisture Management.

HOW IT WORKS.

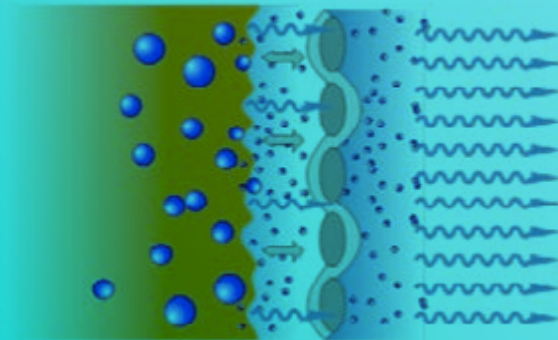
Conventional hydrophilic products help to dispose of moisture but are not effective in the opposite direction. **TEMPERATURE+** is based on Dual Moisture Management technology (or 'DMM' for short).

The DMM principle relies on unique polyurethane technology, where the use of water-retaining polymer materials enables the DMM effect.

TEMPERATURE+, which is incorporated into fibres, independently regulates moisture transport from and to the skin's surface, thereby also regulating the moisture balance and the body temperature.

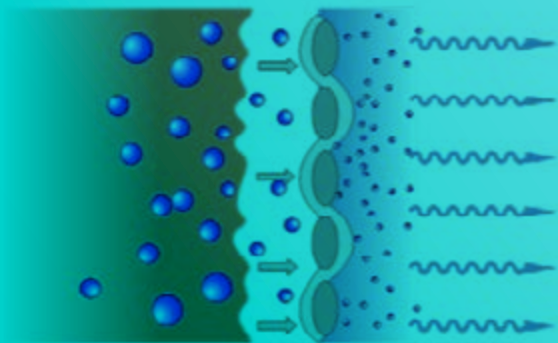
This technology guarantees effective skin hydration at all times, which means the cooling effect is continuous. As a result, you will never feel hot, moist or cold. And your body temperature will always remain within the optimal range.

SKIN SURFACE <27°C



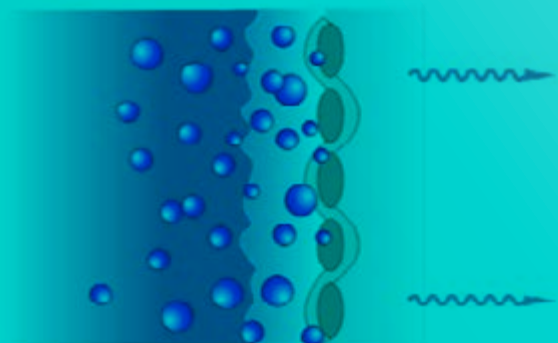
The DMM technology produces a controlled balance and evaporates moisture both on skin and from the outside of the textile.

SKIN SURFACE >37°C



Risk of overheating due to one-sided moisture transport

SKIN SURFACE <37°C



Risk of hypothermia due to a lack of moisture transport

temperature⁺

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