

Clima Comfort helps skin feel comfortable all year round.

The skin is our body's largest organ and is truly a marvel of nature. It protects us against environmental factors and regulates our temperature and water balance. This is why perspiring is such a vital function to cool the body and protect it from overheating on hot days and during physical exercise.

The moisture on the skin caused by perspiration must evaporate quickly, particularly in summer, but also in winter, to ensure the skin stays dry and comfortable.

During the cold season, we need textiles that absorb the moisture and transport it away from the skin surface quickly so we don't freeze.

On hot days, our clothing should permit rapid evaporation to keep us feeling fresh.

This intelligent fabric – adapted to our seasons – is to be found in our compression garments with Clima Comfort.

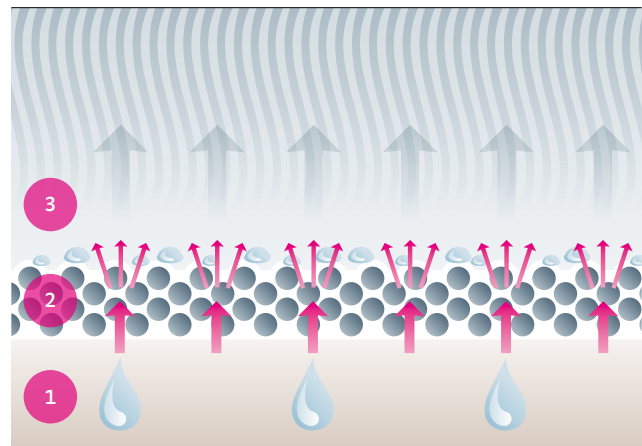
How does Clima Comfort work?



medi's compression technology offers many important product features, including Clima Comfort.

Clima Comfort ensures a reliable climate exchange between the skin and the garment all year round. This means that our mediven compression garments are air-permeable and active breathing.

This is how the Clima Comfort fibre works using its unique thermal properties:



Clima Comfort for a reliable climate exchange

- 1 Sweating excretes moisture onto the skin.**
- 2 The knit absorbs this immediately and transports it quickly to the outer surface of the garment.**
- 3 The moisture evaporates.**

This rapid evaporation keeps us feeling fresh in the summer. In winter, the moisture that remains on the skin is quickly absorbed and actively transported to the outer surface to stop us feeling cold.

Why conduct a scientific test on Clima Comfort?

Starting point

We wanted to get to the bottom of how the knit in mediven compression garments behaves with regards to moisture and evaporation.

Therefore, medi commissioned a scientific test in June/July 2010. This was conducted in co-operation with the French Institut IFTH (Institut Français du textile et de l'habillement), which is equivalent to the German Hohenstein Institute.



Institut Français du textile et de l'habillement (Troyes, France)

Objective

The objective of the test was to measure the evaporation of water through the textile while simulating the sweat secreted by the skin during physical exercise.

Procedure

Seven compression garments from different French manufacturers were tested:

- comparable sizes
- the same compression class
- colour: black
- all the products were washed using a standardised procedure before the test.
- samples were taken from leg models according to the Hohenstein standard between points B and C.
- the test was carried out on stretched products (physiological conditions).

Summary

The test results show that, thanks to Clima Comfort, medi guarantees the best climate exchange between the skin and the stocking. medi achieved an outstanding global score of 11 out of 12 possible points.

The test in brief

The following four parameters were tested

Evaporation dynamics

Measurement of the water vapour flow per unit of time.

Maximum flow density

Maximum capability of the fibres to transport a certain volume of water vapour to the outer surface per unit of surface area and of time.

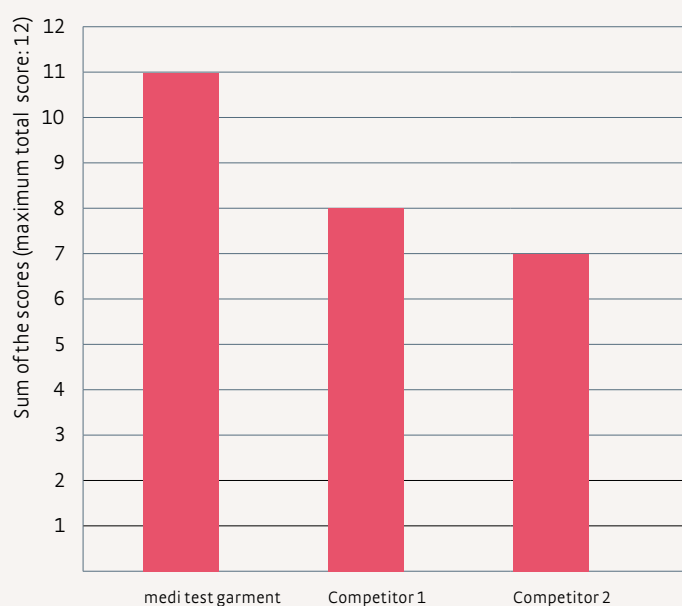
Drying dynamics

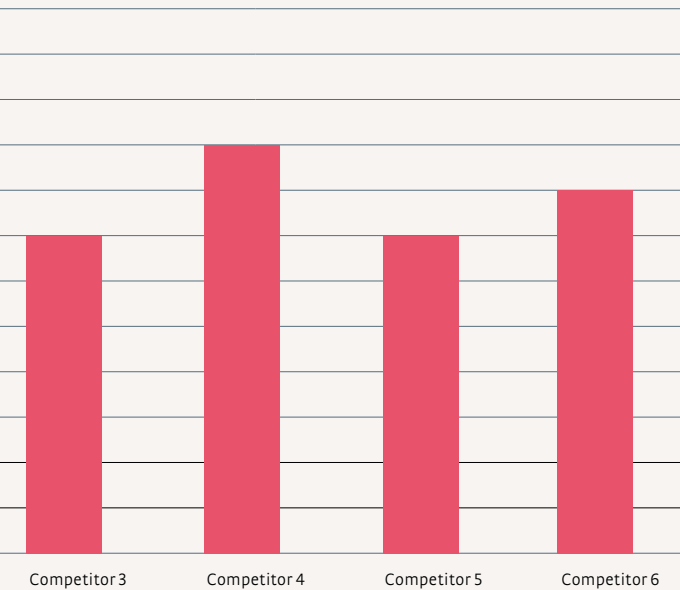
Absorption of the moisture by the fabric per unit of time.

Storage profile

Residual moisture of the fabric depending, for example, on the relative humidity of the ambient air, the temperature, and the air pressure.

Test results





Summary

medi achieved the best test results with Clima Comfort – with the outstanding score of 11 out of 12 possible points.

Benefits for your customers

Clima Comfort ensures a feeling of skin freshness in summer due to the rapid evaporation of the moisture. In winter, the skin feels pleasantly warm because the moisture does not stay on the skin.

Your skin feels fresh all day.

Benefits for you

Clima Comfort really works! This has been clearly demonstrated by scientific testing.

Use this sales argument to convince your customers that mediven compression garments can be worn throughout the summer without any perspiration.

You can advise your customers with complete confidence.



medi compression

Intelligent products with deep functional effects

medi compression recognises the importance of products for medicinal needs, lifestyle and sport requirements.

medi has over six decades of experience in the research and development of products with compression – made in Germany.

Clima Comfort is contained in the following products



mediven[®] elegance
mediven[®] comfort
mediven[®] plus
mediven[®] forte
mediven[®] for men
mediven[®] sheer & soft
medi travel
medi motion



mediven[®] sensoo
mediven[®] mondi
mediven[®] 550 Bein
mediven[®] mondi esprit
mediven[®] 550 Arm



Achimed[®]
Epicomed[®]
Genumedi[®]
Genumedi[®] plus
Levamed[®]
Lumbamed[®] plus
Lumbamed[®] basic
Lumbamed[®] disc
Manumed[®] active
Omomed[®]



medi RELAX Night Care
medi RELAX stump compression sock
medi RELAX Hipdis/one legged short

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Confidence with Clima Comfort!

Now scientifically tested –
Clima Comfort for high treatment compliance all year round.



medi. I feel better.