

CONCORDIA TEXTILES

Omniclina is a registered trademark of Concordia Textiles, European leader in functional and technical textiles with more than 80 years of experience. Our commitment to innovation, quality and continuous improvement is the basis of our growth in textiles, which are manufactured through a world-wide production platform and marketed to a wide variety of end use markets ranging from fashion and sports apparel to technical textiles and interior.



functional fabrics
advanced textiles
protective textiles
multi-functional solutions

FUNCTIONALITY

WATERPROOF

The hydrophilic membrane has functional molecular groups, which transport only the vapour from the inside to the outside of the fabric. Omniclima is 100% waterproof and no moisture can penetrate the membrane from the outside.



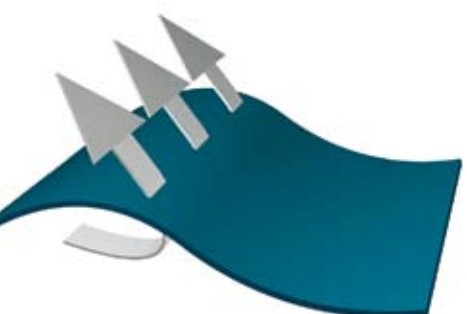
WINDPROOF

Strong winds can seriously disturb the microclimate, severely affecting perceived temperature, which may fall significantly compared to the actual ambient temperature. The membrane structure of this advanced textile makes the body less sensitive to fluctuations in temperature.



BREATHABLE

The micropores of Omniclima are up to 700 times larger than the water vapour molecules produced by a perspiring skin. Even before these molecules are converted into sweat droplets, Omniclima allows the water vapour to escape from the microclimate. As a result, the temperature inside remains unchanged and the clothing continues to provide optimum comfort.



Omniclina and Omniclima+ easily meet European and international standards. In terms of water resistance and breathability, Omniclima leaves many other membrane-based fabrics behind.

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FACTS & FIGURES

FUNCTIONALITY

Omniclina is a laminated breathable fabric combining three functional characteristics in one concept. The advanced technology of this technically functional textile is based on three tenets; durable waterproofing, optimal windproofing and high breathability.

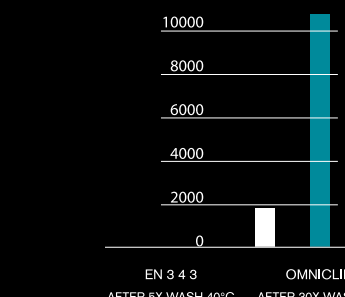
The thin layer of air between skin and clothing is also known as a microclimate. This climate zone is influenced by various factors such as physical activity, weather, temperature and clothing. Thanks to its unique membrane structure, Omniclima creates an optimum microclimate and a personal heat zone that protects the body against adverse environmental conditions. As such, Omniclima forms a physical barrier that offers protection against both natural and industrial external influences.

FASHION APPEAL

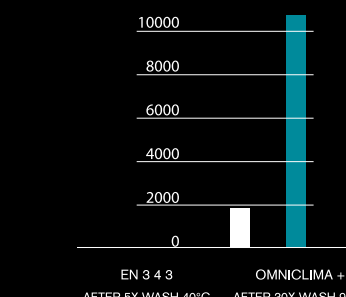
Omniclina lends itself to numerous applications. Alongside its purely functional characteristics, the visual aspect has not been neglected. Omniclima's innovative technology offers the perfect solution for end products that combine performance with superlative comfort and great looks. Omniclima is available in a variety of contemporary colours, in collections that offer different techniques and degrees of protection.



30 washes at 60°C
water column +10 000 mm



30 washes at 90°C
water column +10 000 mm



END-USE MARKETS

FASHION & SPORT APPAREL

The aesthetic aspect is enormously important for the more fashion-conscious end of the market. An elegant cut, a trendy colour and a soft feel will sway many a consumer in favour of this essentially highly functional micropore technology. As such, Omniclima represents a balance between technology and fashion.

For sporting applications, functionality takes priority. Omniclima is used in lightweights with excellent performance characteristics to protect against high speeds, extreme temperatures, water, etc. For snow, wind and other outdoor sports, the wind- and waterproof aspects are crucial. For running, fitness and golf, Omniclima proves its added value in breathability.

WORKWEAR

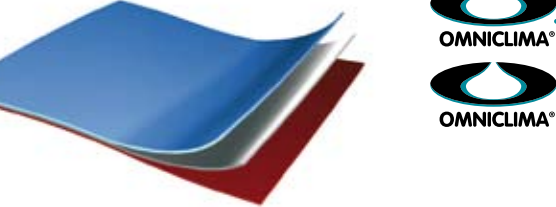
When it comes to industrial applications, Omniclima puts performance, safety and weather resistance first. Sectors such as corporate identity, postal services, customs, couriers, roadworkers, military, police, chemical protection, mechanics and all other tenders for administration are well placed to recognise the benefits of Omniclima. Part of the range focuses specifically on high visibility, since in numerous occupations being seen is enormously important. Fluorescent colours guarantee optimum visibility both day and night, in combination with excellent body protection.

THE FINISHING TOUCH - TECHNOLOGIES

• 2 LAYERS (Omniclina standard – Omniclima +)

The two-layer fabric is the lightest in the range. It offers ultra low weight, extremely high breathability and excellent comfort, and is a pleasure to wear.

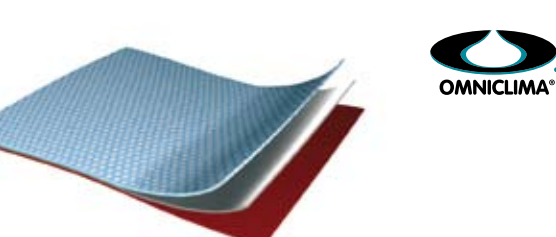
- 1 hydrophilic PU film
- 2 adhesive layer
- 3 water repellent fabric



• 2,5 LAYERS (Omniclina +)

This combination technology brings together the advantages of two-layer and three-layer technology in a single advanced fabric. A paper-thin protective layer adds durability to the vulnerable membrane. Thanks to its special structure, Omniclima retains its breathable characteristics.

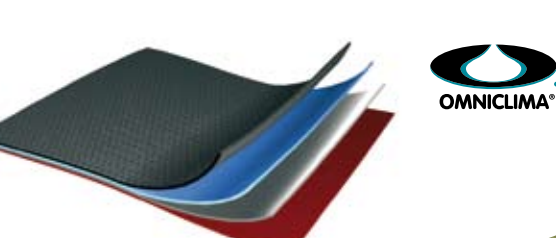
- 1 hydrophilic dots
- 2 hydrophilic PU film
- 3 adhesive layer
- 4 water repellent fabric



• 3 LAYERS (Omniclina +)

The third layer in this model represents ultimate membrane protection against ageing and abrasion. This method proves its value in applications where extreme body protection is critical.

- 1 knitted protection layer
- 2 hydrophilic PU film
- 3 adhesive layer
- 4 water repellent fabric



CARE INSTRUCTIONS

All Omniclima products are easy to maintain. They can be dry-cleaned or machine-washed without losing functional performance. As with all rainwear, softeners should not be used.

LABELLING

Swing-tickets, hangtag booklets, sew-in labels, zipper pullers and leaflets in various languages underline the power of the Omniclima concept. After all, the end consumer has an interest in knowing about the quality, performance and functional characteristics of the product he is buying.

TAPES

The Omniclima concept is a total foul weather protection system. Concordia Textiles can also deliver the appropriate seam seal tapes for an optimal result.

