

Climatex Dualcycle™ Innovative seat cover fabrics



Summary

The innovative Climatex Dualcycle™ seat cover fabric is characterised by a unique appearance and enhanced passenger comfort through climatized seating. The Product offers uncompromising comfort, appearance, quality, fire resistance, functionality and value. Climatex Dualcycle™ makes climatized seating a reality. The material has the thermophysiological ability to absorb, buffer and evaporate moisture.

Climatex Dualcycle™ seat cover fabrics are made from renewable resources: virgin wool, beech wood cellulose and biodegradable Cradura fiber. The fleece is 100% PET.

Seat covers made from Climatex Dualcycle™ comply with all safety standards of the transportation industry.

Climatex Dualcycle™ is pointing the way when it comes to the environment and complies with all safety regulations

Special materials

The wool used to meet the high standards of seat covers such as Climatex Dualcycle™ is virgin wool, i.e. new wool with a certificate of origin from selected farming associations. In a chemical pesticides analysis, each batch is tested against a number of exclusion criteria.

The cellulose is obtained from European beech wood and is spun and treated under special conditions. This results in a particularly pure, flame retardant fiber that is free of unwanted or harmful substances.

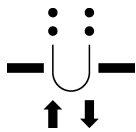
Climatex Dualcycle™ enhances seating comfort

Climatex Dualcycle™ offers climatized seating – the perfect solution for long journeys. It provides outstanding comfort by combining natural and technical raw materials in functional layers.

The moisture accumulated while sitting is absorbed by the seat cover fabric. Once the seat is vacated, the fabric rapidly releases the moisture back into the air.

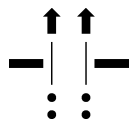
The three-dimensional fabric surface of Climatex Dualcycle™ improves adherence and prevents undesired sliding on the seat. This supports an optimum seating position at all times.

The key functions of climatized seating



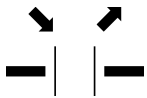
Breathability

Because Climatex is extremely permeable to air and water vapor, it provides exceptional cooling – even during heavy perspiration.



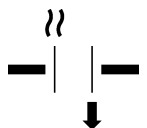
Moisture management

Thanks to its proven ability to absorb, buffer and evaporate moisture in a controlled manner, Climatex Dualcycle™ keeps seat surfaces dry even during long periods of seat use.



Heat reflection

The materials and dyes that are used reflect heat particularly well – even with dark colors.



Warmth transport

Climatex Dualcycle™ transports contact and convection heat in a highly efficient manner. Changes in body temperature are continuously balanced.

Specifications for Climatex Dualcycle™ seat cover fabrics

Detailed specifications for all characteristics of Climatex Dualcycle™ seat cover fabrics can be found in the quality description.

Awards

Climatex Dualcycle™ has received respectable awards from four independent institutions:

MATERIALICA Design + Technology Award 2012

- Innovation in material development and application
- Groundbreaking engineering and sophisticated design

Good Design Award 2012

- Highly functional innovation
- Sophisticated design combined with a high level of aesthetics

Good Design Award 2013

- Excellent design and a high level of innovation
- Functional and sustainable design

AIT Innovation Award

- Product with strong architectural appeal
- Meets high demands for creativity and functionality

Contact

For more information or to arrange a personal consultation, please contact us to discuss your requirements. We look forward to assisting you.