

# LANTAL

## Always at the Forefront of Sustainability



Lantal's train seat covers exceptionally combine the sustainable use of natural resources with longevity and comfort.

85/15 – these numbers define Lantal's new seat cover fabrics collection for trains. Made of 85% wool and 15% polyamide, our flat fabrics fulfil all relevant railway safety requirements while lifting Lantal's proven high quality standards to another level.

The star of this sophisticated fabric is its high wool content. It provides

passengers with extra comfort, train operators with added longevity for their seat covers and the planet with increased sustainability.

### Comfort

Having the passenger in mind throughout our development process, we came up with a fabric that provides a highly pleasant travel experience. The flat woven fabric boasts an extraordinarily high tactile quality which ensures a welcoming first contact.

The real strength of the fabric,

however, becomes apparent during the journey. Thanks to the wool's superior moisture absorption and breathable composition, passengers can enjoy its climatising function. Constantly reacting to body temperature, the fabric cools passengers in warm temperatures and warms them in cool temperatures.

At the same time, seat surfaces are kept dry even during prolonged sitting phases. The moisture is regulated by the complementary characteristics of the fabric's components. Wool, on the one hand, can absorb moisture of up to 30%



of its own weight without creating a wet feeling. The polyamide, on the other hand, dissipates moisture rapidly, enhancing the seating comfort for passengers' well-being.

## Longevity

Staying true to the expectations we have of ourselves to always excel and provide the highest-quality solutions for our customers, the flat weave assures exceptional longevity and ease of maintenance.

Numerous tests by an external institute confirmed the superior quality of our fabric. Whether it was soiled with coffee, chocolate or felt-tip pens, it proved to be remarkably resistant and easy to clean. The same goes for its high abrasion resistance which was tested with an equipment simulating the level of wear experienced over the course of a year. To round it off, the fabric stands out with a superb light fastness due to our in-house dyeing process and knowledge of natural fibres.

These performance attributes are based on the wool's inherent qualities such as its high soil and liquid repellency or flame retardancy, which enable us to work with the least amount of chemicals necessary.

## Sustainability

We are committed to steadily reduce the carbon footprint of our products. This is what definitely convinced us to produce a fabric with such a high natural fibre content.

Compared to man-made fibres,

natural fibres are renewable and not made of fossil fuels. This leads to a much lower carbon footprint while also eliminating the issue of microplastics.

Wool stands out as the natural fibre with the highest longevity which results in less waste and less need for replacement than in the case of plant fibres such as cotton. These aspects significantly contribute to lowering CO2 emissions of wool over the whole service life.

Lantal's wool is sourced from sheep in Europe and New Zealand and is completely produced without the controversial mulesing procedure. This and along with Lantal's Code of Conduct ensures that the animal welfare of the sheep is maintained.

While wool scores highly with respect to sustainability, we are in continuous exchange with suppliers and universities to stay on the forefront of developments with lower emissions. Fabrics made of recycled PES/PET, vegan leather and new natural fibres are promising and likely to be available in sufficient quantities for industrial use in the near future.

Lantal will be exhibiting at the InnoTrans 2022 in Berlin at **Hall 1.1 Stand 380**. We look forward to welcoming you at our stand.

For more information about this product or any other inquiries, please contact us at [salesground@lantal.com](mailto:salesground@lantal.com)





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