

Sustainability – because we care



Sustainability

The Lantal brand stands for high-quality products and services for interiors in the aviation, bus and rail sectors. For Lantal, preventive care means recognizing possible future factors today and integrating them in ongoing business activities. Lantal strives to use energy and other resources efficiently and to develop sustainable products for many decades. Sustainable solutions are part of Lantal's culture - and therefore of production, products and services.

Initiatives for responsible use of resources

At the Swiss production sites, care is taken to handle the production factors responsibly. We have defined quality procedures for respective sustainability processes – in particular for energy management and waste management. The key factors in reducing CO₂ emissions and consumption of resources are:

1. Heat recovery



In the dyeing plant, around **30,000 cubic meters** of waste water above 50 degrees Celsius are collected each year in a tank to store the heat. A heat exchanger heats the fresh water for the dyeing plant. A similar system is used for drying bobbins and skeins.

2. Water recycling system



In the same process, all waste water, which amounts to around **60,000 cubic meters**, is purified in a special system with the addition of slaked lime to such an extent that it can be discharged into the public sewage treatment system.

3. Recycling



Lantal separates various products such as paper, aluminum, PET and metals, which are recycled in a local recycling facility. Non-recyclable materials are brought to a local waste incinerator. The generated heat is used to produce electricity for the general public. Furthermore, Lantal has a continuous process to minimize the leftovers in the carpet, flat and velvet weaving mill. Therefore, no residues occur in the first place. Overall, Lantal **recycles 70%** of its waste.

4. CO₂ emissions certificate



Lantal cooperates with the Swiss Private Sector Energy Agency to set clear targets and keep CO₂ emissions throughout the production process as low as possible. Since 2002, Lantal's efforts have been **annually awarded** with the CO₂ certificate.

Development of innovative, environmentally friendly products

Lantal has developed highly innovative products designed to reduce CO₂ emissions and the environmental impact. We continuously develop further innovative products to support our customers in reducing their environmental footprint. In our portfolio you can find the following sustainable products:

1. Carpets with Econyl® yarn



Polyamide Econyl® yarn is used for the production of Lantal's polyamide carpets. Econyl® consists of **100% recycled raw materials** such as fishing nets, yarn waste and fabrics. The use of Econyl® reduces the consumption of oil, water and energy during the fiber production process.



2. Climatex® LifeguardFR™ seat cover fabrics



Climatex® LifeguardFR™ opens up a new era of ecological cabin interiors. Through environmentally friendly production and the use of renewable and carefully selected wool and cellulose in the form of newly designed ViscoseFR™, this seat cover fabric is **completely biodegradable**.





3. Polyester seat cover fabrics and curtains

Lantal's 100% polyester fabrics are washable and have a long lifetime due to their good abrasion resistance. Polyester can be **completely recycled** and can therefore be reused in other products.



4. Lightweight seat cover fabrics and carpets

Lantal offers a wide range of light seat cover fabrics (330 g/m²) and carpets (1080 g/m²). Furthermore, Lantal provides lightweight TEC-Leather which is 18% lighter than genuine leather. The use of Lantal's lightweight products leads to a reduction in kerosene consumption, **lower CO₂ emissions** and cost savings.



5. Pneumatic Comfort System (PCS)

Lantal's PCS offers unique seating comfort. Thanks to air-filled structures instead of conventional foam cushions, airlines can benefit from significant weight reductions, lower kerosene consumption, **lower CO₂ emissions**, and cost savings.



6. Lifecycle extension by high performance products

The use of Lantal's high performance carpets and fabrics leads to an extended service life. This reduces the frequency of replacement and **lowers the consumption of resources and energy**. Additionally, the related de-installation and re-installation costs can be saved.



7. Wool – a renewable resource

Lantal operates its own wool spinning mill for carpet yarns in Switzerland. Carpets made of wool have natural properties such as acoustic insulating and preventing soiling. Textiles made from wool yarns are not only soft and breathable, but even more important: wool is suitable and comfortable for cold and hot temperatures. Wool is a natural fiber and thus a **renewable resource**.



REACH – compliance with regulations for chemicals

REACH is a regulation on European chemicals legislation and has been in force since June 1, 2007. Swiss products comply at all times with the level of protection required by REACH. Textile chemicals (auxiliaries, dyes) are mainly sourced in Switzerland and the REACH region and are registered with the European Chemicals Agency in Helsinki.



Animal welfare – carefully selected

Lantal is committed to animal welfare when selecting animal products such as wool and genuine leather. Regular visits to the farms and cooperation with long-standing agents help to ensure the best possible production of sheep's wool. Lantal's genuine leather hides come from cattle reared by the European industry for their meat. European standards apply to cattle breeding in Europe.

