

LAMILUX Composites: Professional material for food transport

Improved refrigeration chains for foods with composites

A comprehensive, temperature-controlled system is required to protect both fresh and frozen food from spoiling. LAMILUX Composites are used in all phases in the processing and refrigeration chain, for example as face sheets on walls in processing and storage rooms, as well as refrigerated truck bodies and cold cells, where they ensure food safety and optimised thermal insulation.

Food-safe and heat-insulating

GRP's key advantages for the food industry include their easy-to-clean, sealed, pore-free surfaces, guaranteeing compliance with national and international hygiene regulations. Test certificates also attest to the food-safe quality of composite plastics while their effective thermal insulation values and low thermal expansion guarantee safe use in the food refrigeration process. Used as a sandwich structure filled with a foam layer, fibre-reinforced plastics display excellent insulating properties: a wall panel almost 60 millimetres thick has the same insulating properties as a hollow brick wall 400 millimetres thick.

Robust and energy-efficient in refrigeration containers

Refrigerated containers are subjected to heavy mechanical loads, both during loading and transport. The low temperatures must be maintained over a very long period of time with the lowest possible energy consumption. LAMILUX

Contact for the editorial office:

LAMILUX Heinrich Strunz GmbH
Pamela Kemnitzer
Corporate Communication Manager
Zehstraße 2,95111 Rehau

Phone.: 09283/595-270
e-Mail: pamela.kemnitzer@lamilux.de

Composites ensure safe, energy-efficient transport of food in refrigerated containers.

Refrigerated container interiors are fitted with wall panelling made of highly impact resistant fibre-reinforced plastics, with a stiffening effect lending high stability to the entire container construction. Additional outstanding features are the material's excellent thermal insulating properties and low thermal expansion rate due to its high fibre content. LAMILUX Composites are also characterised by their durability against UV and weather influences and their chemical resistance.

LAMILUX all-rounder for the refrigeration sector

LAMILUX HACCP Gelcoat

LAMILUX has developed a special surface specifically for direct and unlimited long-term contact with fresh meat under cooling conditions: LAMILUX HACCP Gelcoat, which can be combined with almost any LAMILUX product. From attractive all-rounders to state-of-the-art high-performance materials, optimal solutions are available for all areas of the refrigeration and food industry. HACCP certification can be carried out through the approvals in accordance with EC No.1935/2004 and the German Food and Feed Code.

LAMILUX High Impact AntiBac

Visually appealing and lightweight, this material is more hard-wearing and more resistant to impact than similar composites. Moreover, its surface is sealed with silver nanoparticles, producing an anti-micro bacterial effect. Cleaning is also easy thanks to the smooth surface.

LAMILUX Woven Roving Gelcoat

Contact for the editorial office:

LAMILUX Heinrich Strunz GmbH
Pamela Kemnitzer
Corporate Communication Manager
Zehstraße 2,95111 Rehau

Phone.: 09283/595-270
e-Mail: pamela.kemnitzer@lamilux.de

Its surface can be optionally sealed with a gel coat layer, which reduces visibility of the woven roving structure. The material is extremely UV-resistant and weatherproof and is therefore primarily built into the external side walls.

LAMILUX SUNSATIION®

LAMILUX SUNSATIION® also impresses built into the outer side wall of refrigerated transporters. The innovative gelcoat technology has 20 times better UV stability than previous gelcoats on the market. Extreme colour and gloss retention and no colour difference when removing decals from surfaces: LAMILUX SUNSATIION® sets a new benchmark in the quality standard of glass fibre-reinforced plastics. An additional advantage: the innovative technology can be combined with almost all LAMILUX products.

LAMILUX Anti Slip

LAMILUX Anti Slip provides anti-slip protection and soundproofing. The extremely robust resin and glass fibre composite, on whose surface a layer of quartz sand or granite granulate is applied during the lamination process, ensures that goods do not slip and thus prevents damage to the vehicle and the transported goods. The material has another product benefit: LAMILUX Anti Slip minimises rolling noise considerably during loading and unloading, achieving sound insulation values below 60 db(A). This significantly reduces noise emissions and facilitates round-the-clock loading in noise protection zones.

...

www.lamilux.com

Contact for the editorial office:

LAMILUX Heinrich Strunz GmbH
Pamela Kemnitzer
Corporate Communication Manager
Zehstraße 2,95111 Rehau

Phone.: 09283/595-270
e-Mail: pamela.kemnitzer@lamilux.de

About LAMILUX Composites GmbH

LAMILUX Composites GmbH has been producing fibre-reinforced plastics for around 70 years. The medium-sized company is the leading European producer thanks to its technologically advanced continuous production process, large manufacturing capacities and wide product range. LAMILUX supplies customers around the globe in a wide range of sectors, such as the building industry, the automotive and recreational vehicle sectors, refrigerated store room and cell construction, and many other industrial sectors. LAMILUX strives to be the innovation and performance leader in all areas relevant to its customers. Headquartered in Rehau, Germany, the family-owned company is managed by Johanna and Dr. Alexander Strunz in the fourth generation, currently employs around 1,300 people, and in 2022 generated sales of around 392 million euros.

Contact for the editorial office:

LAMILUX Heinrich Strunz GmbH
Pamela Kemnitzer
Corporate Communication Manager
Zehstraße 2,95111 Rehau

Phone.: 09283/595-270
e-Mail: pamela.kemnitzer@lamilux.de