



Commercial Vehicles



OPTIFLAN

PERFORMANCE IN FRP

Applications

- Commercial Vehicles
- Trailers
- Tank Containers
- Urban Transport

interior wall | exterior wall | roof | floor

Composite material for truck bodies, refrigerated vehicles and dry freight



Translucent/semi-translucent roof applications

Daylight improving visibility and efficiency during loading and unloading.

Composite materials for e-mobility and last-mile transport



POLYDET®

POLYDET® – the innovative and ultralight cover sheet for extreme requirements. Our glass fiber-reinforced products provide you with the optimal solution for the secure transport of your cargo. **POLYDET®** is the smart and sustainable alternative to conventional materials such as aluminum or steel, significantly reducing the overall weight of your transport medium, increasing payload, and actively lowering emissions.

HighGloss

POLYDET® HighGloss features a **highly glossy smooth surface** for the most demanding aesthetic requirements. It combines the appearance of aluminum with the advantages of glass fiber-reinforced plastics. The surface is sealed with a high-quality gelcoat layer.

Performance

POLYDET® Performance is suitable as an **all-round product**. The surface is sealed with a gelcoat layer, providing excellent UV and weathering resistance. An additional surface veil ensures excellent fiber coverage. An optional woven roving increases mechanical strength.

PowerStar

POLYDET® PowerStar is the most robust and at the same time the **lightest product** in the **POLYDET®** range. It has a tough-elastic resin system with very high glass content, resulting in outstanding strength at a reduced thickness.

GripStar

POLYDET® GripStar combines the outstanding mechanical properties and resistance of composite materials with a durable and **antislip surface**.

Product Options

Food-safe – HCCP Gelcoat

No chemicals are released that can contaminate foodstuff upon occasional direct contact. The GRP sheet ensures a safe cargo and meets international standards in food transportation.

Antibacterial – Antibac Gelcoat

The metabolism of the bacteria is interrupted and DNA replication and bacterial spread are immediately prevented. As a result, over 99.99 % of bacteria and germs can be destroyed. An optimal protection against pathogens is guaranteed.



Advantages

Lightweight

With our innovative lightweight solutions, up to 30 % weight savings are possible while maintaining high bending and tensile strength. Emissions are reduced, payload capacity is increased, and transport efficiency is enhanced!

Resilient & Durable

By using various fiber reinforcements, we achieve high resistance, enabling our products to meet even the highest demands for mechanical properties. The material is robust against impact and shock.

High Insulating Properties

Low thermal expansion and good insulation values allow a safe transport and storage of foodstuff.

UV, Corrosion- and Weather Resistant

A gelcoat layer protects the product from weather impacts and interior moisture, preventing yellowing and corrosion.

Easy Repair

The product is durable and robust. Minor visual damage or even more severe impacts can be easily repaired with relatively low effort.

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 **OPTIPLAN**

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