

SAERTEX LEO® COATED FABRIC

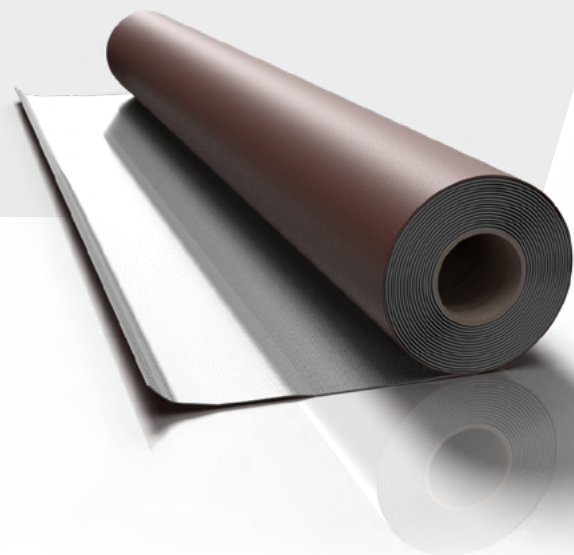
Multiaxial Fabrics with Integrated Fire Protection

Description

SAERTEX LEO® COATED FABRIC is a glass fiber fabric with an integrated intumescent fire protection coating, which forms an insulating layer in the event of a fire. This combination of lightweight construction with integrated fire protection can be incorporated into any construction of a monolithic or sandwich composite structure in order to meet the highest fire protection requirements.

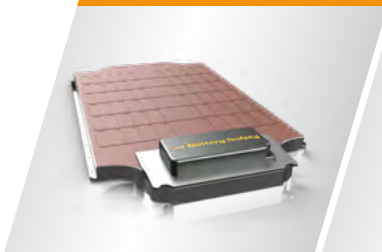
Material Advantages

- Excellent tensile and flexural properties
- Low material thickness
- Up to 5 times stiffer or 40% lighter than aluminium
- Freedom of design through deformability



Applications

Electric Vehicles



Battery Modules



Battery Cells



Battery Boxes



E-scooter Batteries



E-bike Batteries



SAERTEX LEO® COATED FABRIC

Technical Data

Article description (Example)	Q-E-1933 g/m ² -1270 mm LEO Coated		
Article construction (in accordance with EN 13473-1)	Layer	Construction	Areal Weight
	5	0°	319 g/m ²
	4	45°	300 g/m ²
	3	90°	307 g/m ²
	2	-45°	300 g/m ²
	1	Leo Coating	700 g/m ²
	Several standards available, more on request		
Resin systems	Multicompatible with most standard EP resin systems, other on request		
Width (nominal)	1270 mm		
Processing	Designed for use in closed molded applications (Infusion, RTM, Press molding etc.)		
Total tolerance	approx. 7.4 %		
Total areal weight	approx. 1933 g/m ²		
Start of reaction	approx. 150 °C		
Thermal conductivity	(infused plate) 0,588 W/mK		
Approvals	On request		
Labelling (standard)	Every roll is equipped with a label in the core. A further label is located outside on the foil or on the box.		
Packaging (standard)	Every roll is wound on a cardboard core and wrapped in foil. Further packaging options can be determined individually.		
Storage recommendation	Protect from moisture and direct sunlight. To avoid problems with humidity and electrostatic charge, fabrics to be conditioned 24 hours prior to processing, independent of storage conditions.		
Safety information	Further information can be found in the safety data sheet.		

SAERTEX LEO® COATED FABRIC

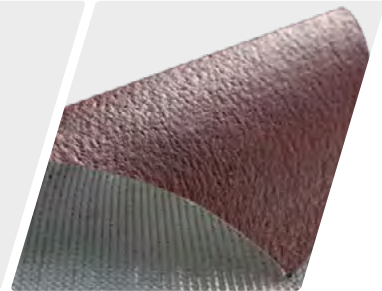
Easy Processing with Standard Resin Systems

Thanks to the integrated fire protection coating and the low content of binding agents, processing with standard epoxy systems is very easy.



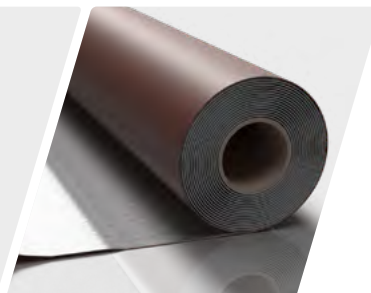
Significant Time Savings through Integrated Fire Protection Layer

The material is processed like a standard fabric in vacuum infusion technology. The usual production step of applying a fire protection gelcoat is no longer necessary. Automated processes such as RTM or SMC are likewise possible.



Higher, Consistent Component Quality

Uniform and reproducible material layer thickness thanks to the controlled machine application of the fire protection material to the fabric.



Proven and Tested Standard Structure

We support your material qualification with our extensive test data collection.



svt Products GmbH • Gluesinger Strasse 86 • 21217 Seevetal • Germany
T +49 4105 4090-14 • E transportation@svt.de • W svt-global.com

