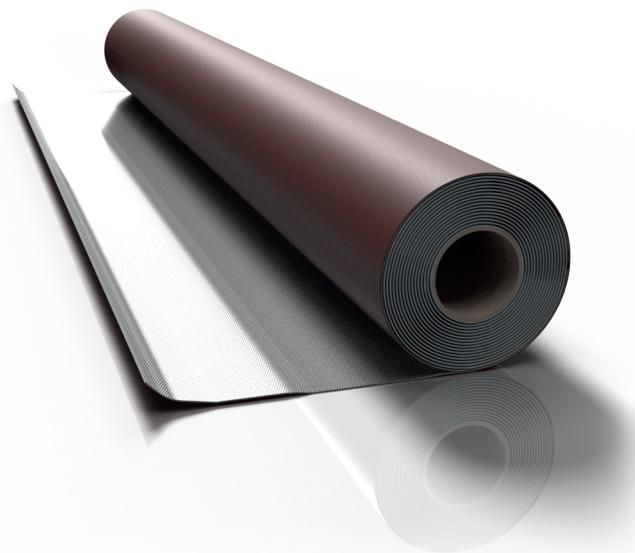


## SAERTEX LEO® COATED FABRIC

### Fire Protection for Composite Materials

#### 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.



#### Areas of Application

- Rolling stock
- General industrial applications
- Battery safety

#### Delivery and Packaging

##### SAERTEX LEO® COATED FABRIC

|                |               |
|----------------|---------------|
| Thickness      | 0,8 mm–1,2 mm |
| Length         | 50 lfm        |
| Width          | 1270 mm       |
| Article Number |               |
|                | on request    |

# SAERTEX LEO® COATED FABRIC

## Technical Data

|  |  |              |                      |
|--|--|--------------|----------------------|
| Article description (example)                        | Q-E-1933g/m <sup>2</sup> -1270mm LEO Coated  |              |                      |
| Article construction (in accordance with EN 13473-1) | layer  | construction | weight per unit area |
|  | 5  | 0°           | 319 g/m <sup>2</sup> |
|  | 4  | 45°          | 300 g/m <sup>2</sup> |
|  | 3  | 90°          | 307 g/m <sup>2</sup> |
|  | 2  | -45°         | 300 g/m <sup>2</sup> |
|  | 1  | LEO Coating  | 700 g/m <sup>2</sup> |
| 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 area weight                                    | 1221–1933 g/m <sup>2</sup> depending on variant  |              |                      |
| Start of reaction                                    | approx. 150 °C   |              |                      |
| Thermal conductivity                                 | (infused plate) 0.588 W/(m·K)  |              |                      |
| Approvals  | on request   |              |                      |
| Labelling (standard)                                 | Every roll is equipped with a label in the core.<br>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.<br>Further packaging options can be determined individually.  |              |                      |
| Storage recommendation                               | Protect from moisture and direct sunlight.<br>To avoid problems with humidity and electrostatic charge, fabrics must be conditioned 24 hours prior to processing, independent of storage conditions. |              |                      |
| Safety information                                   | Consult the safety data sheet for further information.   |              |                      |

SAERTEX® GmbH & Co. KG has been certified in accordance with ISO 9001:2015 and has been awarded the 2018 Eco-Profit Award.

The SAERTEX® GmbH & Co. KG has its own DNV GL certified laboratory.