



**Bellows for
railways and
articulated
buses**

Sflex

Picture with courtesy of Bavo

Bellows for railways

The products of our *S-flex* series are used in the manufacture of bellows and connectors between train cars, metros, subways, tramways and articulated buses. These products comply with national and international test standards and have been developed to last for a long period of time.

Applications

Flexible bellows for train cars, metros, subways, tramways and articulated buses

Carrier material and surface coating

For technical reasons we use a heat-resistant carrier material such as aramide and polyester which is coated with silicon, which ensures a low smoke development, toxicity and flame propagation. Different material thicknesses are available depending on the requirements on mechanical properties and sound insulation.

Key facts

- Flexible bellows
- Bending tests up to 250.000 cycles
- Light, medium, heavy textile materials available
- Very good sound insulation
- Good mechanical properties
- Low smoke development and toxicity
- Very good UV-resistance
- Broad temperature application range (-40°C / +100°C)
- Available width: approx. 150 cm
- Colours: Grey / black;
other colours on request

The products comply with the following standards:

- BS 6853: 1999
(Interior Cat 1a und Exterior Cat 1b)
- NFPA 415
- NFPA130
- ASTM E 662
- ASTM E 162
- EN 45545 - 2
- ISO 5658
- ISO 5659
- ISO 5660
- DIN 5110
- ISO 4589 - 2
(Limited Oxygen Index)
- DIN EN 1876 - 1
- DIN 53863
- NFF 16 - 101

Other national and international standard tests will be conducted if requested by the customer. The manufacturer of a complete system is responsible for the use and suitability of our materials for specific applications in the mentioned areas. The provided information applies to the delivery status; processing guarantee within 24 months under normal conditions.

