SI-KA-TEC®
engineering coating·GmbH

Picture with courtesy of Bukaka

Passenger boarding bridge

Sflex

Passenger boarding bridge
The products of our *S-flex* series are used in the manufacture of bellows and flexible canopies for boarding bridges. The materials are recommended for fixed or movable / retractable boarding bridge canopies.

Passenger boarding bridge canopy
The passenger boarding bridge is a movable connector which extends from an airport terminal gate to an airplane, allowing passengers to board and disembark without having to go outside. The flexible canopy connects to the end of the passenger boarding bridge and the aircraft to protect the boarding passengers from external influences such as heat, fire and adverse weather conditions.

Applications
Flexible canopy for boarding bridge
Boarding bridge cabin head
Aerobridge canopy
Flexible bellow connectors

Carrier material and coating
Temperature-resistant glass fabric and synthetic yarn materials are coated with a specially developed silicone to provide flexibility, durability and excellent mechanical and fire properties.

Material reference
89600 - 0 BE 3, *S-flex* 100 PG - S
High-end double layer material
82600 - 0 BE 2, *S-flex* 75 G - S

Key facts
- High temperature resistance up to +100°C
- Low temperature up to -40°C
- Excellent fire properties
- Exceptional fire-resistant properties
- Anti-bacterial, anti-fungal and dew-resistant
- Water resistance
- High abrasion resistance (5000 - 8000 cycles)
- Excellent mechanical properties
- High cut resistance
- Flexibility
- Available width 130 / 150 cm; more on request
- Colour: silver grey / black; other colours available on request

The standard material complies with the following international standards
- NFPA 415: Standard on Airport Terminal Buildings, Fuelling Ramp Drainage and Loading Walkways, 2008, 2013 Edition
- NFPA 701: Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
- JAR / FAR 25, Appendix F Part 1 Flammability, 60 S Vertical Bunsen Burner test
- JIS L 1092: 2009 Testing Methods for Water Resistance of Textiles
- ISO 3795: 1989 Determination of Burning Behaviour of Interior Material
- BS EN 12312 - 4: 2003 + A1 : 2009 Aircraft Ground Support Equipment. Specific Requirements Passenger Boarding bridges

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.

GL CERTIFIED
MED 96/98/EC

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