



*The product range  
for  
expansion joints*

*Sjoint*

The products of our *S-joint* range are used to manufacture fabric expansion joints for flexible pipe connection systems to compensate expansion and vibrations caused by flows of hot gases. The materials used to make pipes require high chemical resistance in order to withstand the often aggressive media they transport.

Expansion joints are also found in filling systems, for example in grain transport. In applications like these the coating is often required to have anti-static properties too.

**Applications**

- Coal-fired, oil-fired, nuclear and gas turbine power plants
- Cement industry
- Air conditioning
- Shipbuilding
- Engine construction

**Carrier material and coating**

The most common solution involves temperature-resistant carrier materials on glass fabric. In some cases aramid and polyester fabrics may be used if there are high mechanical loads.

The materials are then coated with silicone or polyurethane. Depending on the mechanical, pressure load and permeability requirements, light, medium-weight or heavy fabrics may be used with thin to thick coatings.

**Key facts**

- High Flexibility
- Excellent Mechanical properties
- High Resistance to Environmental Influences
- Excellent UV Resistance
- Wide temperature range ( -50°C / +250°C for 5 days under normal conditions )
- Available width: approx. 100 / 130 / 150 / 155 cm
- Colors: red / dark red / grey / silver / black / white
- Antistatic and Food safe

**The products comply with the following standards:**

- IMO FTP code Part 2 & Part 5 - Low flame spread, Low smoke & Low toxicity
- BS 476 Part 7 ( Class 1 )
- FAR / JAR 25.853 Part 25 'App F' Part 1
- DIN 4102 A2, B1
- EN 13501 A2
- EN 1876 bending test

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.

