

# High Performance Low Smoke, Low Toxicity Elastomer Components and Materials for the Rail Industry

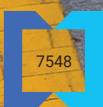
Our extensive knowledge of the worldwide rubber market we can usually source any specific material requirements you have.

We can also cross reference international standards, providing the best solutions - matching or alternative - that meet or exceed your specifications.

At all times, providing you with:

**COMPLIANCE**  
**PERFORMANCE**  
**REASSURANCE**

*your preferred  
supply partner  
for rubber based  
products in rail*



**RISQS**  
Railway Industry Supplier  
Qualification Scheme



Our extensive range of unique elastomer materials for Trackside, Surface, Sub-Surface, Tunnel, Rolling Stock and Passenger Safety applications, are all tested & approved to EN45545-2 and many other certifications, including LUL S1085 compliance

Our precision Components are available in the following elastomer materials:

- EPDM
- Silicone
- Vamac®
- Silicone Sponge
- Neoprene Sponge
- Natural Rubber

Supplied as:

- Calendered Sheet Rubber
- Cut Gaskets; Joints & Strips
- Precision Moulded Components
- Extruded Profiles & Sections
- Vulcanised Joined Profile Frames
- Laminated Composites - *rubber & sponge*
- Sponge/Foam Sheets or cut parts
- Machined Plastics & sheets
- Seals - *extruded and inflatable*

Passenger safety is our top priority

EPDM, Silicone and Neoprene materials have excellent environmental resistance, withstanding Ozone, U.V., rain and frost meaning outdoor applications such as lighting systems and enclosures are kept water and dust tight. Our rail materials are resistant to corrosion, moisture, salt and light fuels.

Cab Interior  
Seals

LCE/L  
Seals

Lighting Enclosure  
Seals & Gaskets

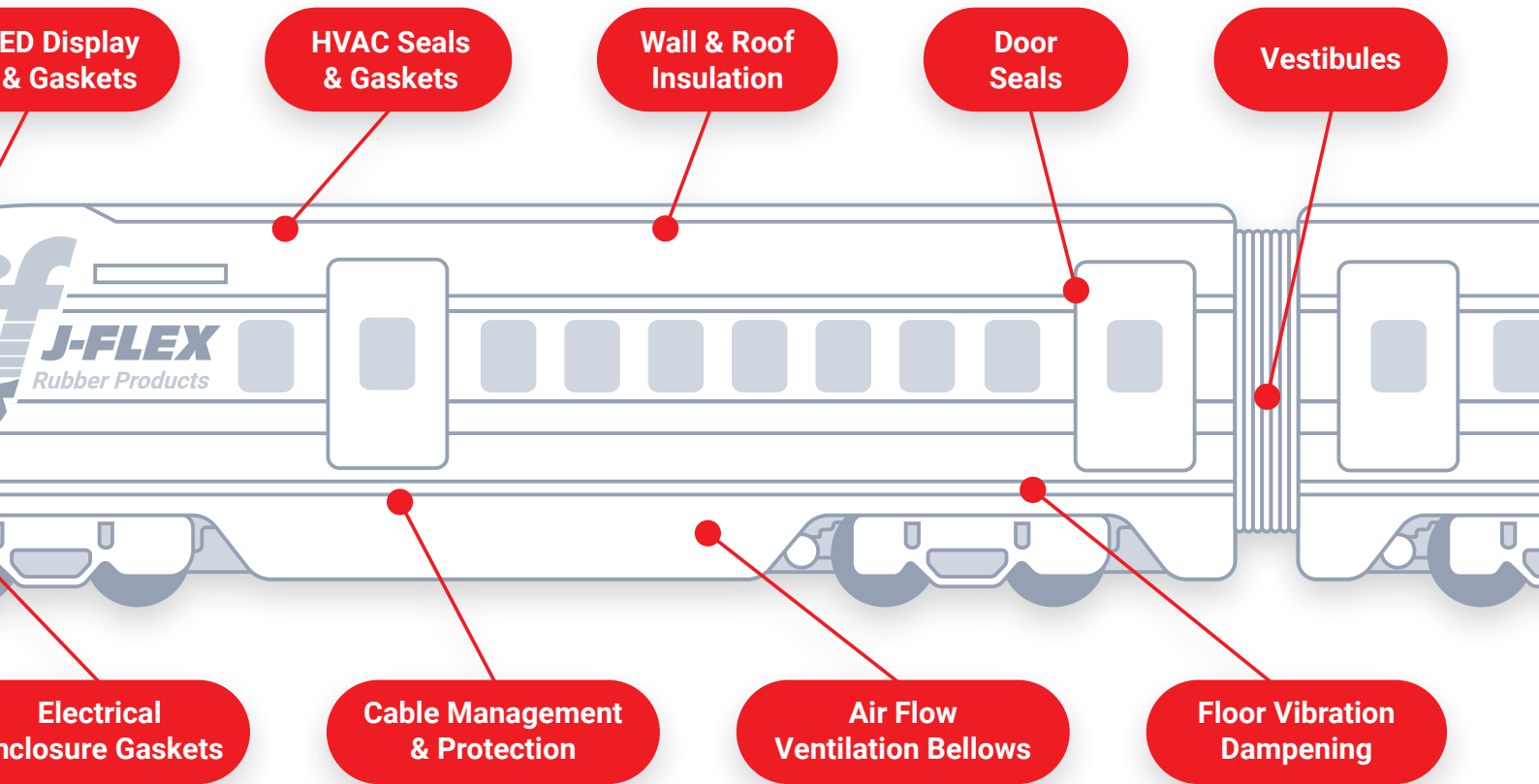
Trackside a

**Our materials have great flexibility, strength & durability.**

This means they are ideal for all safety critical applications in Rail, Mass Transit, Marine Vessels, Oil & Gas, Public Transport and Heavy Goods Vehicles.



## Typical Rolling Stock applications include:



Applications include: • Cable Jacketing • Signal Cable Hose • Cable Ductings



### Lighting Gaskets

Lighting enclosures need to be protected from a range of elements from water, dust and moisture - our products are specially formulated to protect and resist all of these elements whilst providing a tough hard wear resistant gasket.

### Vibration/Acoustic Dampening

Having a higher than normal rubber density, our materials provide excellent vibration, shock and noise dampening properties for mass transit flooring. It's mechanical strength provides protection to train flooring systems. Using our special temperature resistant adhesive backing you can easily laminate a layer to acoustic foam products.

### HVAC Seals & Gaskets

Air Conditioning & Heating Systems within rail carriages are designed to withstand temperature fluctuation and varying degrees of vibration. J-Flex rail products have been specially formulated to take up movements and shocks, to create Gaskets for reducing vibration on interior surfaces.

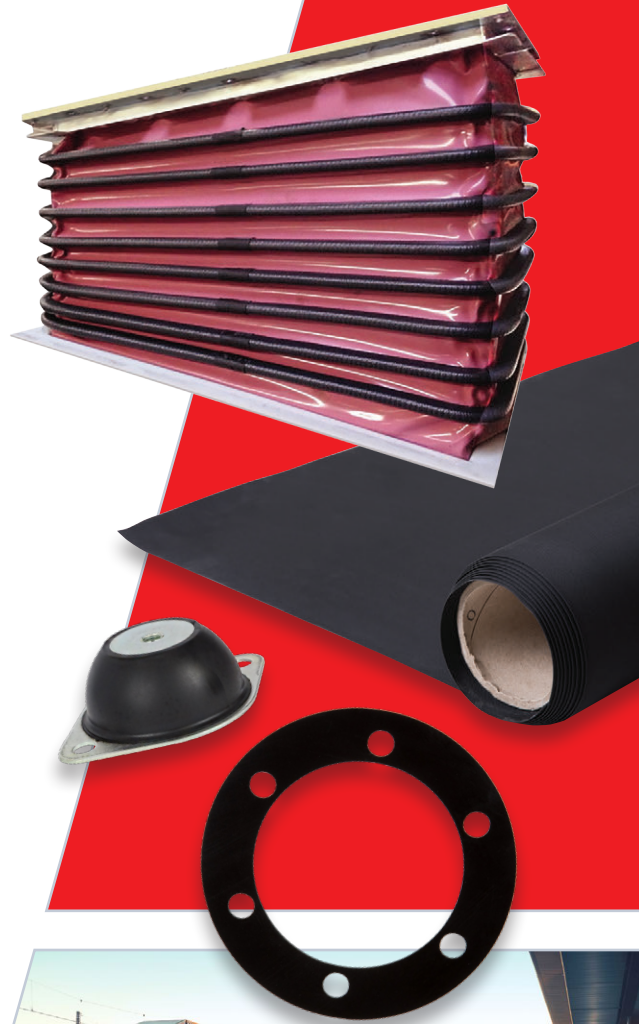
### Ventilation Bellows for Traction Motors

Serving as an integral part of the cooling air flow as a connecting element between traction motor blower and drive motor. A seal is provided between the upper flange and the traction motor fan collar in order to prevent loss of air and the ingress of moisture.



## Other Products/Service we can offer you:

- **Extruded and Moulded Seals**
  - for Glazing, Doors, Partitions, Galleys. Luggage Racks etc.
- **Rubber Sheetting & Profiles**
  - for buildings, depot and station refurbishment projects.
- **Parts kitting**
  - we can help in compiling various component parts together for any required kits.
- **Custom Sheet and Gasket Cutting**
  - on in-house large flatbed cutting equipment.
- **Viton™ Caulk Sealant & Adhesive**
  - offering excellent performance in harsh environments.



Our Production Facilities are laboratory controlled and we are ISO9001:2015 Approved.



We export to over 50 countries worldwide.



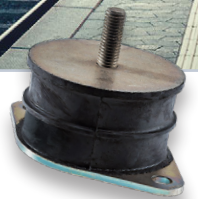
An active R & D programme keeps J-Flex at the forefront with top quality & innovative product offerings.



Products independently tested to EN45545-2.

Full material data sheets, test reports and samples are available upon request.

Plus you can download our Guide: A Guide to Flame Retardant, Low Smoke, Low Toxic Rubber Materials at [www.j-flex.com](http://www.j-flex.com)



Established in 1984, J-Flex is a privately owned company involved in the manufacturing & distribution of high end sheet products. Over this time our manufacturing facility has gained an enviable reputation for high quality manufactured rubber components, elastomer sheetings and vacuum forming consumables.

**J-FLEX Rubber Products**

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