



Experts in
Rubber

Manufacturers • Designers • Distributors

ENGINEERED ELASTOMER SOLUTIONS

FOR THE RAIL INDUSTRY

With over 100 years of combined experience in the rubber industry, we supply precision elastomer components and materials that deliver safety, reliability and performance across the rail sector.



COMPLIANCE

EN 45545-2
& UL 94 V-0



PERFORMANCE

Engineered For
Critical Applications



RELIABILITY

Proven Materials
& Consistent Quality



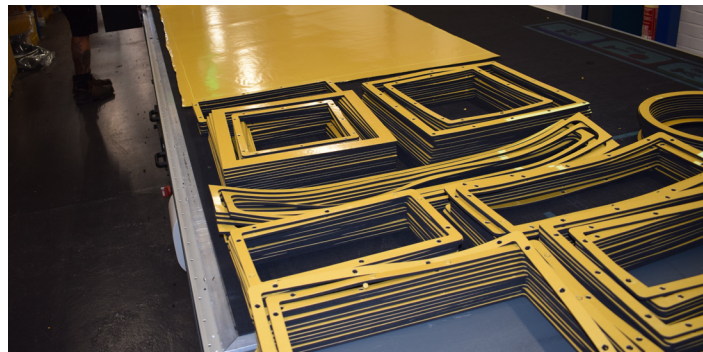
SERVICE

From Design Support
To Delivery

OUR CAPABILITIES

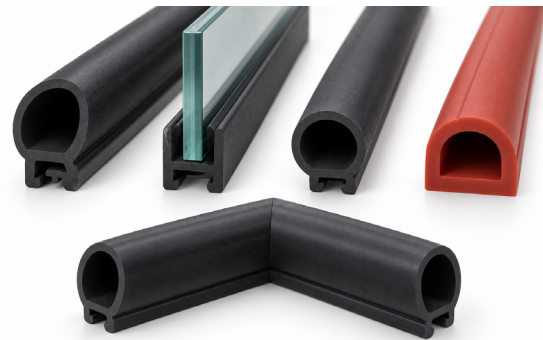
PRECISION RUBBER SOLUTIONS ENGINEERED FOR RAIL

From premium elastomer materials to highly engineered components, we deliver complete rubber solutions to meet the most demanding rail applications.



CUT GASKETS, STRIPS & JOINTS

- High precision CNC cutting
- Flat gaskets, complex profiles & sealing joints
- Wide range of materials & thicknesses
- Fast turnaround & low minimum order quantity



EXTRUDED PROFILES & SECTIONS

- Bespoke rubber extrusions
- Complex profiles & multi-durometer options
- Consistent tolerances & high quality
- Ideal for sealing, edging & protection



MOULDED COMPONENTS

- Compression, transfer & injection moulding
- From simple to highly complex components
- Prototyping to volume production
- Tight tolerances & repeatable quality

RAILGUARD FR EPDM®

EN 45545-2 HL3 EPDM SHEETING

RailGuard® EPDM sheeting is a high performance rubber compound formulated to meet EN 45545-2 HL3 requirements for use in the rail sector.

- ✓ EN 45545-2 (R22 / R23 HL3) - highest fire safety standard for Europe
- ✓ NFPA 130 - North American transit and passenger rail system
- ✓ UL 94 V-0 - universal vertical flame rating standard
- ✓ Halogen-free, low smoke & low toxicity
- ✓ Excellent ozone, UV & weather resistance
- ✓ Good resistance to water, steam & heat
- ✓ Wide temperature range: -40°C to +120°C
- ✓ Excellent electrical insulation properties



STOCKED AND READY TO SUPPLY

Available in thicknesses of 1mm to 10mm.

Supplied as full rolls, precision cut strips or converted gaskets.



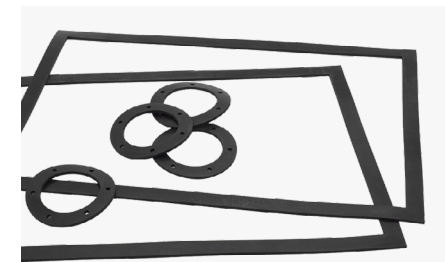
FULL ROLLS

Standard roll widths available for fast delivery.



CUT STRIP

Precision cut strips to your specified width and lengths.



CONVERTED GASKETS

CNC cut gaskets in any shape, size or quantity.



ENGINEERING SUPPORT

Material Selection & Design Advice



PREMIUM QUALITY

Consistent Quality to ISO 9001 Standards



ON-TIME DELIVERY

Reliable Supply Chain & Stock Availability



Door & Window Seals



Railway Infrastructure



HVAC Seals & Gaskets



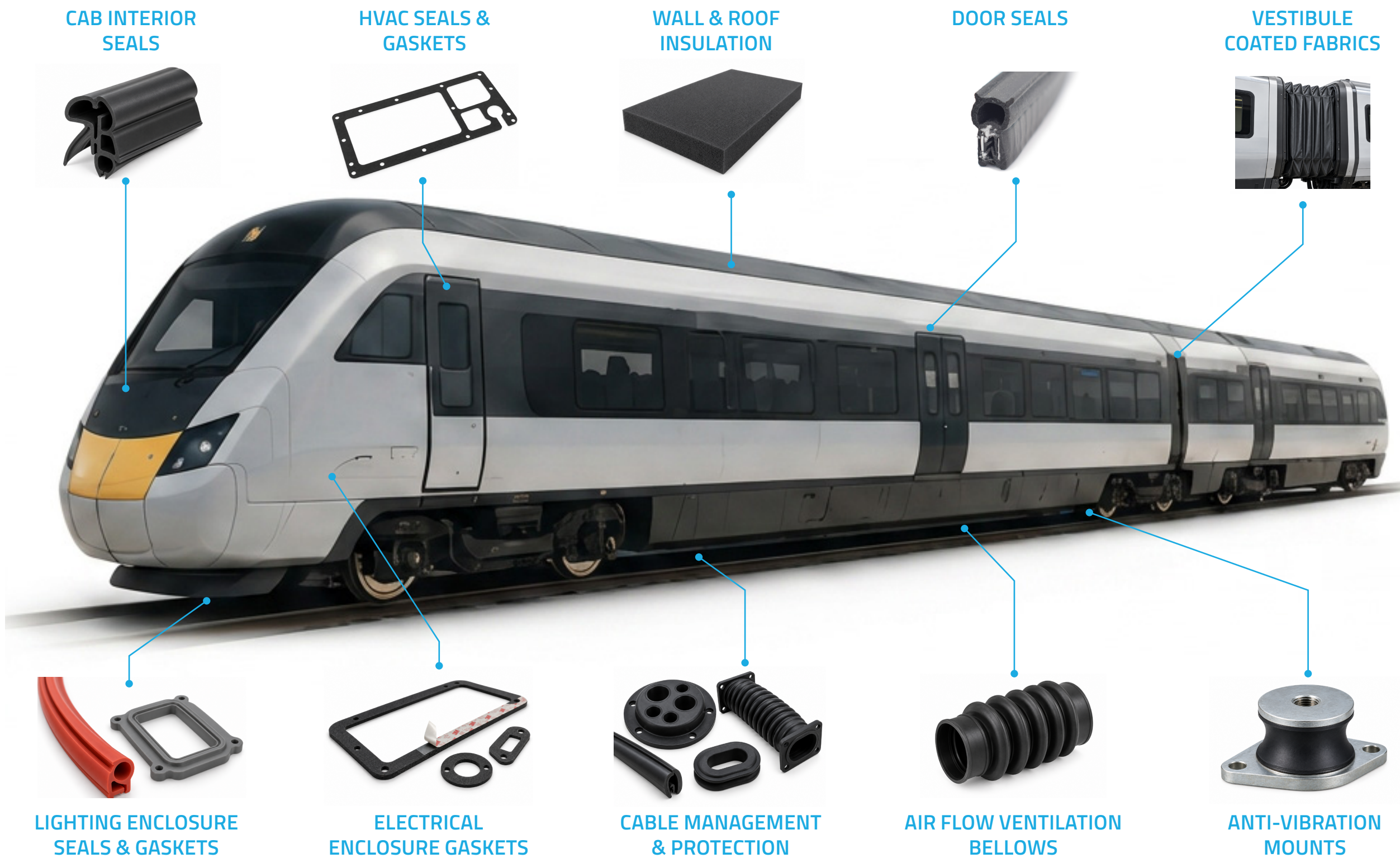
Electrical Enclosures



Cable Protection

TYPICAL APPLICATIONS

TYPICAL ROLLING STOCK APPLICATIONS



MATERIALS WE SUPPLY TO THE RAIL INDUSTRY

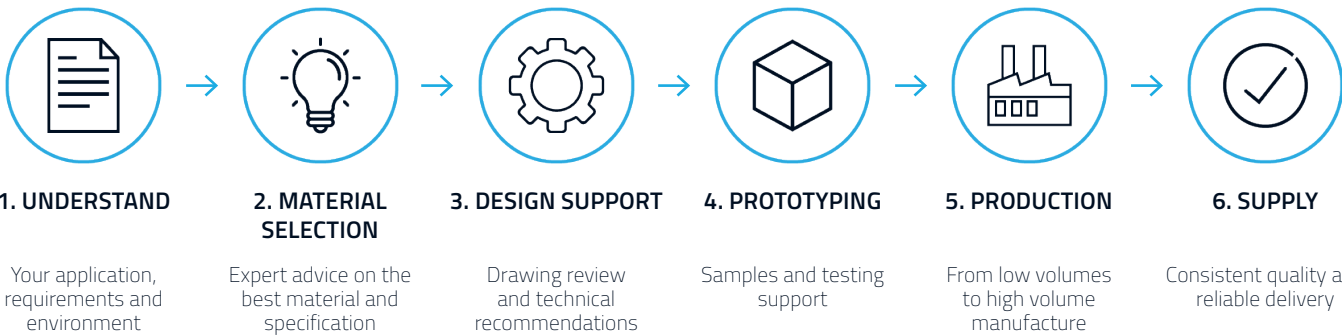
We work with a range of high performance elastomers and materials, helping you select the right solution for your specific application and environment. All of the materials below can be supplied in EN 45545-2 compliant grades for rail applications.

EPDM	SILICONE	NEOPRENE	SPONGE & FOAMS	COATED FABRICS
A highly versatile elastomer with excellent weather, ozone and ageing resistance, combined with a good thermal performance. - Wide temperature range - Excellent environmental resistance - Good mechanical properties - Available in a range of grades	Exceptional high and low temperature performance with excellent flexibility and chemical resistance. - Service temperature -60°C to +230°C - Excellent ageing, UV and ozone resistance - Good electrical insulation properties - Suitable for demanding environments	A versatile elastomer with good all-round mechanical strength, weather and chemical resistance. - Good resistance to oils, fuels and chemicals - Flame retardant options available - Good mechanical properties - Suitable for indoor and outdoor applications	Lightweight, compressible materials for sealing, cushioning, insulation and vibration control. Including BISCO® silicone foam and other sponge and cellular materials. - Open and closed cell options - Wide range of densities and compression levels - Excellent sealing and shock absorption - Available in EPDM, silicone (including BISCO®), neoprene and other foams	High strength elastomer coated fabrics combining flexibility with durability and abrasion resistance. - Choice of fabric reinforcements - Excellent tear and abrasion resistance - Suitable for sealing, expansion joints and protective covers - Custom formulations and finishes available

OUR ENGINEERING PROCESS

FROM CONCEPT TO COMPLETED SOLUTION

We support you at every stage, combining material expertise with manufacturing capability to deliver reliable, cost-effective solutions.



YOUR TRUSTED PARTNER TO THE RAIL INDUSTRY

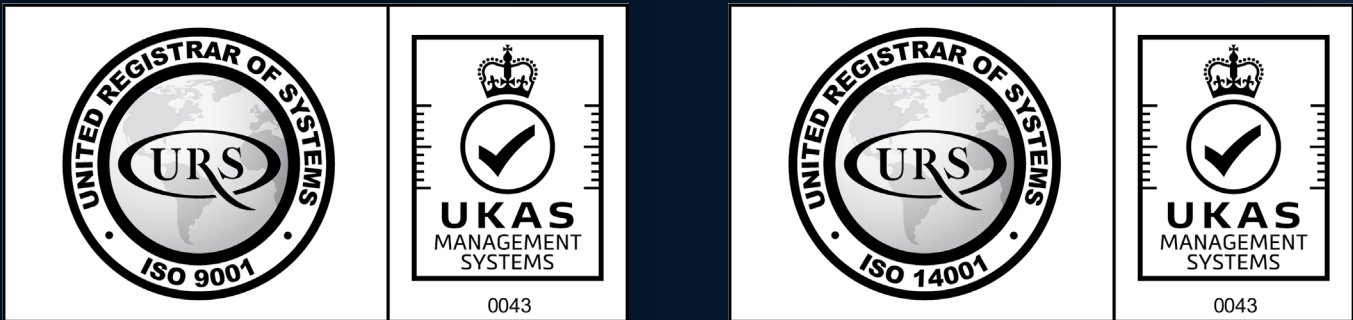
The Rubber Company has delivered engineered rubber solutions that perform in the most demanding environments.

We combine material expertise, advanced manufacturing and a customer-focused approach to delivery quality, compliance and peace of mind.

WHY CHOOSE THE RUBBER COMPANY?

- 100+ years of combined experience
- 1000s of products supplied
- Delivered to 75+ countries
- 1-off prototypes to large production volumes
- Quotation typically within 24 hours
- Fast production turnaround
- Technical material selection and design support
- ISO 9001 and 14001 accredited

CERTIFIED QUALITY YOU CAN TRUST





Manufacturers • Designers • Distributors

Get in touch with our team today to discuss your requirements



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Working with
companies worldwide

