



mason grogan  
**INDUSTRIAL**

SPECIALIST MATERIALS FOR DESIGN ENGINEERS

# Materials Intelligence<sup>®</sup> for Rail

New build • Final fit out • Refurbishment



✓ Innovative Materials

✓ Simple Sourcing

✓ Tailored Solutions

**Mason Grogan supplies innovative technical material solutions to improve safety, longevity and whole-life costs of passenger and freight trains. Our partnerships with leading rail materials manufacturers, combined with our expertise and reliable service will simplify and optimise your sourcing, saving you valuable time and money.**

Our products seal and protect, control heat and reduce noise and vibration. Our solutions also provide more durable and safer seating and flooring, improve resistance to graffiti and aid in graffiti removal.

## Rely on Materials Intelligence<sup>®</sup> for safer, quieter and more comfortable journeys



### Global Network

Extensive knowledge & network of global innovative materials manufacturers



### Industry Knowledge

Detailed understanding of industry, manufacturing processes, specifications & standards and test methods



### Product Knowledge











Detailed understanding of products, their performance and application



### Converting

Extensive knowledge of converting methods & network of converters

# Leading technology materials and composites for Rail

	Materials & Solutions	Applications
 <b>Extrusions</b> Custom or standard, EN45545-2 rated	<ul style="list-style-type: none"> <li>• EPDMs</li> <li>• Fire retardant EPDMs</li> <li>• Silicones</li> </ul>	<ul style="list-style-type: none"> <li>• Pinchwelds</li> <li>• Glazing seals</li> <li>• Partition seals</li> <li>• U channels</li> <li>• Door seals</li> </ul>
 <b>Gaskets</b> Custom made, EN45545-2 rated	<ul style="list-style-type: none"> <li>• Open cell silicones</li> <li>• Closed cell silicones</li> <li>• Urethane</li> <li>• EPDMs</li> <li>• Felt</li> </ul>	<ul style="list-style-type: none"> <li>• Vibration damping</li> <li>• Enclosure seals</li> <li>• Water sealing</li> <li>• Display seals</li> <li>• Washers</li> <li>• Spacers</li> </ul>
 <b>Tapes</b> Custom or standard width, EN45545-2 rated	<ul style="list-style-type: none"> <li>• Silicones</li> <li>• EPDMs</li> <li>• Structural bonding (VHB)</li> <li>• Foil tapes</li> <li>• Felt</li> <li>• PTFE</li> </ul>	<ul style="list-style-type: none"> <li>• Squeak reduction</li> <li>• Vibration mitigation</li> <li>• Mechanical bonding</li> <li>• Wire harnessing</li> <li>• Anti-friction</li> </ul>
 <b>Insulation</b>	<ul style="list-style-type: none"> <li>• Polyester non-wovens</li> <li>• Hydrophobic non-wovens</li> <li>• Melamine</li> <li>• Polyethylenes</li> <li>• Thermoplastics</li> <li>• Closed cell elastomers</li> </ul>	<ul style="list-style-type: none"> <li>• Wall and floor insulation</li> <li>• HVAC insulation</li> <li>• Thermal management</li> <li>• Noise reduction (internal and external)</li> </ul>
 <b>Flooring</b> With integrated safety features	<ul style="list-style-type: none"> <li>• Composite flooring</li> <li>• Composite sub-floor</li> <li>• Specialist adhesives</li> <li>• Seam sealants</li> </ul>	<ul style="list-style-type: none"> <li>• Locomotives</li> <li>• Urban and Regional Cabs</li> <li>• Trams</li> <li>• Light Rail</li> </ul>
 <b>Seating</b>	<ul style="list-style-type: none"> <li>• No Flame Cushions</li> <li>• Driver's seats</li> <li>• Crew seats</li> <li>• Inspector's seats</li> <li>• Suspension system</li> <li>• E-Leather</li> <li>• Flat cloth</li> <li>• Moquette</li> </ul>	<ul style="list-style-type: none"> <li>• Light Rail</li> <li>• Trams</li> <li>• Locomotives</li> <li>• Urban and Regional Cabs</li> </ul>
 <b>Hoses</b>	<ul style="list-style-type: none"> <li>• Silicones</li> <li>• Thermoplastic reinforced</li> <li>• Reinforced foams</li> </ul>	<ul style="list-style-type: none"> <li>• Silicone elbows</li> <li>• Silencers</li> <li>• Composite ducting</li> <li>• Flexible ducting</li> <li>• Bellows</li> <li>• Mufflers</li> </ul>
 <b>Plastics</b>	<ul style="list-style-type: none"> <li>• Nylon 66</li> </ul>	<ul style="list-style-type: none"> <li>• Spacers</li> <li>• Custom made components</li> </ul>
 <b>Cords</b>	<ul style="list-style-type: none"> <li>• Silicones</li> <li>• EPDMs</li> <li>• Viton</li> <li>• Nitrile</li> </ul>	<ul style="list-style-type: none"> <li>• Gap fillers</li> </ul>
 <b>Fire barriers</b>	<ul style="list-style-type: none"> <li>• Fire blockers (non-wovens and silicones)</li> <li>• Intumescent seals (fire pillows and intumescent fire seal strips)</li> </ul>	<ul style="list-style-type: none"> <li>• Fire containment and barriers for walls and doors</li> </ul>

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