



mason grogan  
**INDUSTRIAL**

SPECIALIST MATERIALS FOR DESIGN ENGINEERS



Ruggedising, Shielding  
& Sealing Equipment



Personal Protection  
& Reduced Soldier  
Combat Ensemble loads



Vehicle Comfort  
& Safety



Footwear Performance

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

Mason Grogan Industrial provides high performance technical material solutions to help manufacturers, engineers and designers develop custom products and solutions to protect personnel and assets. With over three decades of experience, Mason Grogan has a deep understanding of materials, performance specifications, test methods and production techniques, which is fundamental to design and deliver sustainable, safe and competitive products.

## Specialised applications

Mason Grogan Industrial offers Materials Intelligence<sup>®</sup> for enclosure panels, door & window sealing, console systems, handhelds, displays, keyboards, rugged mobile laptops, MIL-STD equipment, rugged computers, weapons & optics and seating applications. High performance materials are also available for wearable protection, including helmet, elbow, knee and body protection as well footwear, backpacks and belts.

## Over 30 years of experience helping customers worldwide



### 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

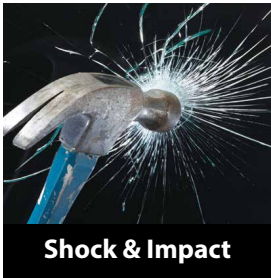


### Converting

Extensive knowledge of converting methods & network of converters

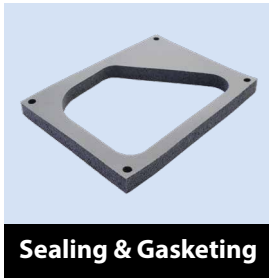
## Protection and safety of personnel and assets

Expert in the use of elastomeric, textile and non-woven materials to protect personnel and assets.



**Shock & Impact**

- Display protection
- Impact absorption
- Shock absorption



**Sealing & Gasketing**

- Ingress protection
- Enclosure panels
- Door and window seals



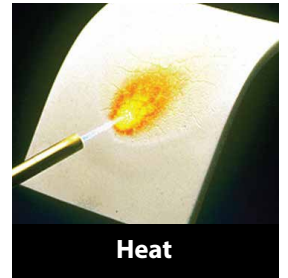
**Cushioning & Pads**

- Seating applications
- Battery pads and springs
- Grounding and shielding



**Acoustics & Vibration**

- Damping & isolation
- Sound blocking and absorption
- Sound attenuation



**Heat**

- Fire containment
- Fire barriers
- Thermal insulation

## World-leading technology for tailored products and solutions



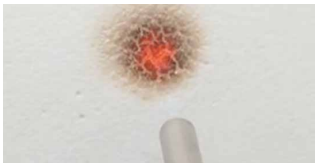
### **BISCO® SILICONES - ACOUSTICS AND THERMAL MANAGEMENT**

BISCO® materials reduce the transmission of sound, while preventing the spread of fire and smoke. These innovative products also adapt to environmental extremes, making it an ideal choice for sealing outdoor enclosures, protecting electronics from shock and heat, and providing cushioning and vibration isolation for various applications.



### **CELLOFOAM® - INSULATION MATERIALS**

Cellofoam® materials have been engineered for noise absorption and thermal insulation in military vehicles. Extremely robust, these specialised materials offer easy installation and outstanding fire performance capabilities under environmental extremes.



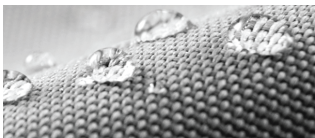
### **NO FLAME CUSHIONS - SEATING AND CUSHIONING SAFETY**

No Flame Cushions are high quality silicone foam cushion systems designed for a wide range of cushioning and seating applications. With 10 years warranty, No Flame Cushions provide long-term consistent cushioning and comfort. No Flame Cushions meet the most stringent global standards for FST (flame, smoke and toxicity) requirements and contribute to sustainability initiatives.



### **XRD™ - WEARABLE PROTECTION**

XRD™ helps soldiers perform to their maximum potential even in the most critical conditions. This breakthrough material uses the latest technology to absorb up to 90% of energy when impacted at high strain rates. Lightweight and flexible, XRD™ increases the effectiveness of personal equipment and apparel.



### **ARVILLE - TECHNICAL TEXTILES FOR DEMANDING APPLICATIONS**

With over 60 years of technical expertise, Arville offers bespoke fabrics for military vehicle interiors, equipment and protective clothing. Arville's fabrics are lightweight, yet strong and durable, offering maximum protection, temperature resistance and flame retardency characteristics which can be relied on.



### **MAGNESIUM ALLOY - LIGHTWEIGHT ALTERNATIVE TO ALUMINIUM**

Magnesium, the lightest structural metal, is suitable for a variety of applications, including composite armor systems and body armor, as well as security and defence field gear, including night-vision goggles, communication and electronic enclosures, surveillance optical payloads and robotics. Magnesium has a good impact resistance and shielding properties against electromagnetic interference (EMI), and offers a wide selection of forms for complete manufacturing flexibility.

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