



mason grogan  
**INDUSTRIAL**

SPECIALIST MATERIALS FOR DESIGN ENGINEERS



## Materials Intelligence® for Defence



Personal Protection



Equipment Protection



Comfort & Safety

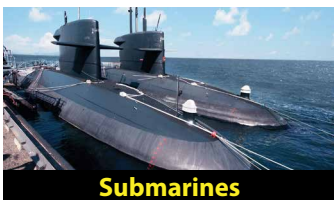


Footwear Performance

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.

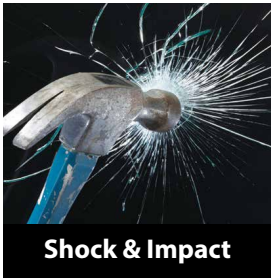
### Specialised applications

Mason Grogan Industrial offers Materials Intelligence® for enclosure panels, door and window sealing, console systems, handhelds, displays, keyboards, rugged mobile laptops, MIL-STD equipment, rugged computers and seats for a variety of defence vessels. High performance materials are also available for wearable protection, including helmet, elbow, knee and body protection as well footwear, backpacks and belts. Our materials are specified in:



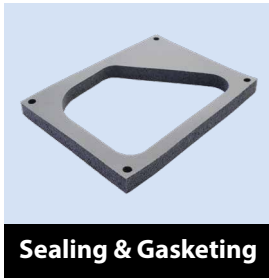
## Protection and safety of personnel and assets

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



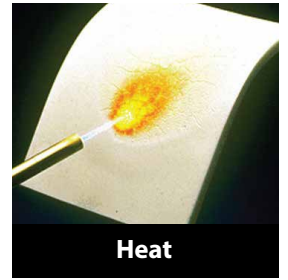
**Cushioning & Pads**

- Vessel seating
- 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 customised, high performance products and solutions



### **BISCO® HT200 - SOUND AND FIRE BLOCK**

BISCO® Sound Block materials are specially designed to reduce the transmission of sound within interior spaces, while preventing the spread of fire and smoke. The elastomeric materials are supplied in roll form, and are available with or without adhesives and supported backings to aid the installation.

### **BISCO® BF1000 - SHOCK AND HEAT PROTECTION**

Compressibility, softness and durability allow BF1000 to 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. BISCO® Silicones are available in various thicknesses and manufactured in roll form to allow fabricators to easily convert the material to required dimensions.



### **CELLO® F700 - WATER, FIRE AND SOUNDPROOF**

CELLO® F700 is a white polyester non-woven with an oil and water repellent finish. The material can be laminated with a corrosion resistant aluminum foil and adhesive. CELLO® F700 protects against water splashes and presents excellent sound absorption capabilities. In vibration tests, the fiber composite shows no tendency to break up. CELLO® F700 meets strict fire specifications and does not provide a substrate for mold and fungal growth.



### **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 exceptional resistance to compression set for 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.



### **PORON® XRD™ - WEARABLE PROTECTION**

The PORON® XRD™ Extreme Impact Protection is ideal for use in military applications where performance and comfort are crucial. PORON® XRD™ is a breakthrough material that uses the latest technology to absorb up to 90% of energy when impacted at high strain rates. Lightweight and flexible, PORON® XRD™ increases the effectiveness of personal equipment and apparel. Because it does not restrict freedom of movement, PORON® XRD™ helps soldiers perform to their maximum potential even in the most critical conditions.

1300 859 960 or +61 (02) 9748 3838

salesmg@grogangroup.com

Mason Grogan Industrial, 108-110 Carnarvon St, Silverwater NSW 2128



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[www.grogangroup.com](http://www.grogangroup.com)