






ASGARD INDUSTRIAL SYSTEMS LTD.

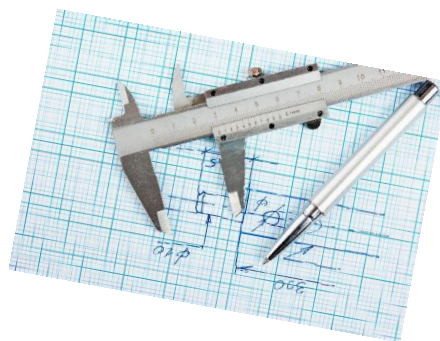
## Bespoke Technical Textile Fabrics



*Asgard Industrial Systems Ltd. Is an Irish based company that brings together over 25 years of experience in a range of different industry.*

Asgard Industrial Systems Ltd. continuously strive to develop an understanding of our customers business needs, to enable us to fully use our expertise to create cost effective and tailored solutions.

-  In house production
-  Bespoke designs custom made to suit your needs
-  After sales service

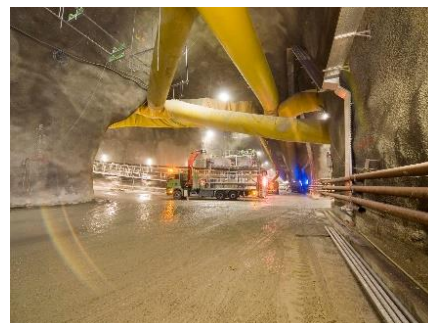




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## Products & Services

- ☞ Duct Connectors/expansion Joints – Available in ATEX, FDA approved materials
- ☞ Architectural Fabric Structures – Sun shades, car ports etc.
- ☞ Bespoke Machinery Covers available in a range of materials
- ☞ Boat covers, Trailer covers, Food & Pharmaceutical Hygiene covers
- ☞ Sports Goalpost Padding/Protection
- ☞ Temporary & mobile structures
- ☞ Water tanks



## Materials available

- ☞ Clear Polyurethanes  
Available with ATEX/FDA/EU approvals in different thicknesses
- ☞ PVC coated polyester – Food contact approved, different weights and colours available
- ☞ Other materials available on request to suit individual needs and requirements – anti-static, anti-microbial, UV resistant etc.










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## Fabric Structures – A Quick Breakdown

 Most fabric structures are manufactured with actual fabrics rather than mesh materials and then coated or laminated with synthetic materials the most common being PVC. The base fabric most commonly used is Polyester due to its strength, durability, low cost and high elasticity.

 When choosing architectural fabrics it is important to consider the following properties:

-  Tensile strength – is a basic indicator of relative strength. It is fundamental for architectural fabrics that function primarily in tension. *We can provide you with Tensile Tests on your chosen materials!!*
-  Tear strength – is important in that if a fabric ruptures in place, it generally will do so by tearing. This can occur when a local stress concentration or local damage results in the failure of one yarn, which thereby increases the stress on remaining yarns.
-  Adhesion strength – is a measure of the strength of the bond between the base material and coating or film laminate that protects it. It is useful for evaluating the strength of welded joints for connecting strips of fabric.

