

# Flexible Liquid Storage Solutions



# Creating complete flexible containment solutions

**Trelleborg Flexible Containment Solutions** (formerly Dunlop GRG), design, develop and manufacture polymer fabrications for many industries. For over 40 years we have been producing an extensive range of products, particularly in the field of heavy duty, rubber-coated textile, PU, TPU and PVC fabrications. Our experience in many challenging settings, in many industries and applications, has allowed us to continuously improve and develop our products for demanding commercial operations around the world.

Being part of the **Trelleborg Engineered Fabrics** division of the **Trelleborg Group**, one of the largest polymer processors in the world, puts us in a unique position. While working closely with you developing your project, we are supported by a large group with a broad scope of technical expertise resulting in single ownership from raw material to finished product.

With direct access to a large inventory in the supply chain, we are able to maximise product availability, keeping costs and lead times to a minimum, while still providing a highly personal service delivered by an experienced team.

Based in Manchester in the UK, Trelleborg Flexible Containment Solutions has been part of Trelleborg since 2005.

We supply a wide range of markets including the defence, maritime, petrochemical, power, security, agriculture and offshore industries. The Trelleborg Engineered Fabrics division works across technologically advanced industries to produce polymer-coated fabrics worldwide. By developing the optimum solution for your application we go further to engineer the fabric of industry.



### PRODUCT OVERVIEW

Trelleborg have been manufacturing a range of flexible liquid storage solutions for use in many applications for over 40 years. Easy to transport and rapidly deployable Trelleborg flexible bladder tanks can be adapted for the storage and distribution of fuels, resins, water, slurries and a whole range of other liquids.

Trelleborg flexible tanks are a standard, internationally recognised method used by military, humanitarian and commercial organisations for temporary storage and distribution of large quantities of liquid. The collapsible tanks are a very flexible storage option, ideal for environments where it can difficult to establish a more permanent metallic tank.

In use worldwide in some of the most extreme environments where temporary liquid storage is needed, Trelleborg flexible tanks are manufactured from specially developed rubber-coated textiles that are specifically designed to offer high abrasion and fuel resistance. The units can withstand extremes of temperature and have been used in both tropical and arctic conditions.



### FEATURES & BENEFITS

- Durable and able to withstand harsh conditions
- Manufactured from high quality materials
- Flexible and easily deployed
- Available in a wide range of specifications

**Strong and reliable under harsh conditions,** Trelleborg flexible tanks have been designed to offer high abrasion, UV and fuel resistance. Able to withstand extremes of temperature they are suitable for use in both tropical and arctic conditions. The units are constructed from a woven high-tenacity nylon coated with a nitrile rubber compound providing a strong and durable liquid container. The materials have been designed to have high tensile strength with excellent tear and puncture resistance and generally require minimal maintenance.

**Flexible and easily deployed in any environment** - where there is need for temporary liquid storage flexible tanks are easily portable can be deployed quickly and filled on site. They are available with all accessories needed to receive and deliver liquids to generators, vehicles, etc. Once the application is complete they can be emptied, cleaned and rolled up for storage for later use.

**Access to potable water is one of the most basic logistical requirements** for any remote operation such as a camp, festival or film site. The flexible nature of the tanks allows large quantities of water to be stored and distributed safely. The tanks are self supporting and can be placed on any flat surface in a field or yard.

**Available in a range of specifications depending on requirements** - ranging in capacities from 1,000 up to 1,000,000 litres, Trelleborg flexible tanks are supplied in different material specifications depending on storage requirements such as fuels (diesel and Jet A1), resins, water (potable or non-potable), slurries and a whole range of other liquids.

**Other products** - As part of a large consortium of companies Trelleborg can also supply pumps, filter systems, pipe work and connections. Trelleborg also provide other products for use alongside flexible tanks including bund liners, ground sheets and UV covers.



## APPLICATIONS

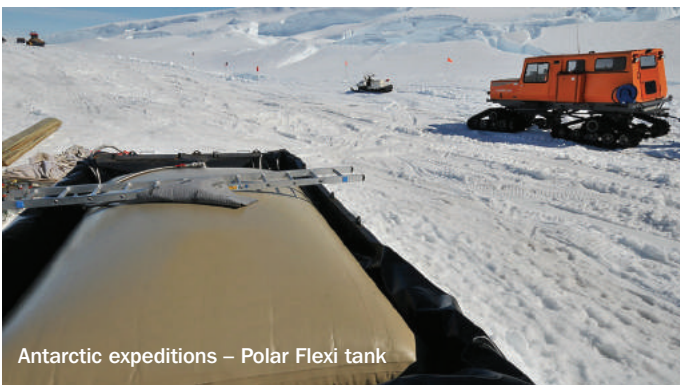
Trelleborg flexible tanks are in use in **military** and **humanitarian** operations for fuel and water storage around the world. Purpose built Polar Flexi Tanks have also played a key role in storing and transporting fuel in 'the Coldest Journey', a recent **Antarctic** expedition where flexible tanks withstood temperatures as low as minus 90°C.

Trelleborg flexible tanks provide a huge range of flexible liquid storage and distribution applications and can be used by **haulage companies, emergency services, film studios, events, leisure and tourism, agriculture**, and many more.

Flexible tanks originally designed to provide large capacity potable water storage for emergency relief in remote areas are also now used for commercial drinking water supply as well as fire prevention and other camp needs such as catering and showers.

Trelleborg also manufacture a range of flexible tanks for non-potable water, dilute chemicals, sludges and effluents.

Offering many advantages over traditional concrete or steel storage tanks they have a wide range of uses in agriculture for storing slurry, manure effluent, wine effluent, methanisation slurry and liquid fertiliser. The tanks can be used for both separated and non-separated slurry, filled from any stand pipe or slurry tanker and can also be fitted with agitation systems.



Antarctic expeditions – Polar Flexi tank



Agricultural – Agri Flexi tank



Flexible tank for a pickup truck – Cuboid tank



Road train liquid transportation – Resin Tank

## FLEXIBLE LIQUID STORAGE SOLUTIONS

### GENERAL DESCRIPTION

**TPU** – a thermoplastic polyurethane coated material designed to store aviation fuel and diesel, with an operational life of 3-5 years.

**PVC HD** – a high density PVC-coated high tenacity polyester woven fabric for sewage, slurry, contaminated water, with an operational life of 3-5 years.

**PVC** – a Non-toxic PVC-coated high tenacity polyester woven fabric for potable and dirty water, with an operational life of 3-5 years.

#### Tank designs

All tanks are made to order; we have a standard range and can tailor sizes, shapes and accessories to meet with your specific requirements. We can manufacture tanks from 1,000 up to 800,000 litre capacity; flexible tanks having a capacity of more than 200,000 litres can require non-standard fittings. Please contact our sales and technical team to discuss your job specific requirements to ensure you get the best possible service from your tank.



CAPACITY (LITRES)	LENGTH (M)	WIDTH (M)	HEIGHT (M, WHEN FULL)
<b>5,000</b>	<b>3.70</b>	<b>2.60</b>	<b>0.70</b>
<b>10,000</b>	<b>5.10</b>	<b>3.30</b>	<b>0.90</b>
<b>25,000</b>	<b>8.00</b>	<b>3.90</b>	<b>1.10</b>
<b>50,000</b>	<b>9.30</b>	<b>6.20</b>	<b>1.10</b>
<b>100,000</b>	<b>14.30</b>	<b>7.90</b>	<b>1.10</b>
<b>200,000</b>	<b>19.20</b>	<b>12.00</b>	<b>1.10</b>



### Accessories

- pumps, filter systems, pipework and connections



Trelleborg Flexible Containment Solutions is part of the Engineered Fabrics division of Trelleborg, a world-leading engineering group developing advanced polymer technology solutions that seal, damp and protect people and processes. With 100 years of experience and continual research, we engineer the fabric of industry through customised and pre-conceived solutions adapted to your exact application.

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