



Unique **SEAFLEX**

A Unique Maritime Group Company



Seaflex SiltStoppers™

# Seaflex SiltStoppers™

Silt curtains, sometimes referred to as turbidity curtains, are floating barriers which are specifically designed to contain and control the dispersion of particles in a body of water.

They are generally used within marine construction, piling or dredging projects – especially in inland waterways and enclosed harbours where the build-up of silt cannot be allowed to disperse beyond the working zone so must be controlled within that area until it settles. Any such tasks will cause an increase in the turbidity of the water, and the idea of these barriers is to enclose and isolate the working area so as to limit the scope for such solids to escape and cause environmental damage – and nowadays many projects have set turbidity levels which must not be exceeded. This is where Unique Seaflex SiltStoppers™ come in.

At the surface of the Seaflex SiltStoppers™ you will find an number of inter-connecting flotation units, these are designed with plenty of reserve buoyancy and are fitted with pressure release valves which are designed to trigger so as to avoid damage to these floats through over-inflation. These flotation units are made from the same durable plastic materials, and are based upon the same design principles, as the buoyancy modules we have been supplying into heavy-duty offshore applications such as pipeline installation and salvage operations for over 20 years.

A curtain of the same offshore-grade material then hangs from these floats and forms the barrier, with points on either side for easy connection to either the next curtain in the line or to the edge of enclosed area. Into this curtain are built innovative design features such as a sleeve through which a chain passes to sink the curtain at deployment stage, strop patches to act as anchor points to the riverbed, and also a small continuous length of inflatable section to allow for easy lifting of the chain during retrieval stage.

Whilst a number of standard designs are available for either hire or sale, Unique Seaflex engineers are able to assess a project's specific set of requirements and tailor a solution to best meet those parameters. Technicians are also able to offer on-site support in the use of our Silt Curtains if required by the contractor.

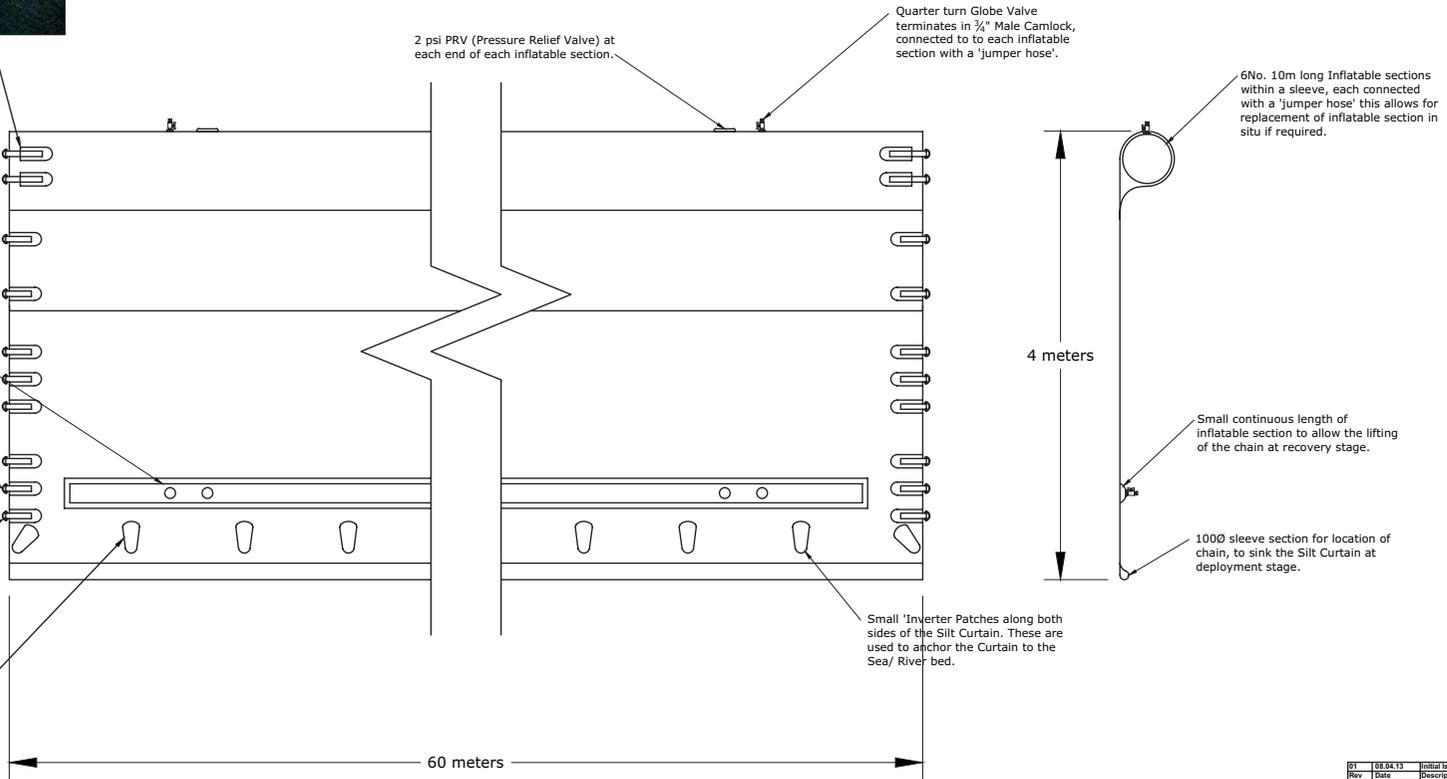


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## Main features and benefits of Unique Seaflex SiltStoppers™:

- Isolates a working area to avoid contamination of the wider environment.
- Offshore-grade materials, for ultimate durability.
- Unique design features, for ease and speed of deployment and retrieval.
- Project design service available if required.
- Site technicians available if required.
- Hire and sale options available, as required.





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TITLE			
<b>Seaflex Silt Curtain Specification Sheet</b>			
SCALE	DATE	DRAWN	CHECKED
N.T.S @ A3	08.04.2013	GJP	GSB
DRAWING No.			REVISION
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# Our Credentials

Seaflex manufactured our very first range of lift bags for rental and sale to service the diving industry in 1987, in sizes up to 500kg.

Over 25 years later, our biggest Air Lift Bag is 100 times larger than that at an industry-leading 50,000 kg and we employ around 30 skilled staff at our custom-built 30,000 square foot manufacturing facility in Cowes on the Isle of Wight.

In 2011 Seaflex was acquired by the Unique Maritime Group, a global provider of integrated support services for the offshore sector. Unique Maritime Group's expanding network of companies are specialists in ROV, diving, survey, NDT and engineering services. With the benefit of UMG's global footprint and support structure, Seaflex is these days even better placed than ever to meet the needs of its customers - no matter where in the world they are working, nor how challenging or urgent their requirement may be.

As you would expect of a company working in an industry where the concepts of quality and safety are paramount, all our work is carried out within a system which complies with the ISO 9001-2008 Quality Management Standard for full traceability - and we now have also gained ISO 14001 Environmental accreditation and ISO 18001 Health and Safety accreditation for our manufacturing operation. We have also had independent verification of the compliance of our WaterLoad™ bags with LEEA 051 guidelines and of our Buoyancy bags with the requirements of IMCA D-016. ABS have also issued us with full Product Design Assessment (PDA) certification for our main products.

But any company can talk about the vast amounts of testing, certification and accreditation which have been carried on their products - fewer companies can substantiate such claims. Seaflex is one of those which can back up their claims - however, our credibility does not come from bits of paper: it comes from our customers, from the work we have been doing with them for over 25 years, and from the fact that they keep coming back to us time and time again.



# Our Philosophy - Whenever, Wherever

We have a simple philosophy here at Seaflex: we will do everything within our power to deliver what our customers need from us, whenever they need it and wherever they need it.

That simple philosophy is born of several different levels of understanding:

- An expert understanding of how to design, manufacture, prove, deliver and support best-in-class bags for ballast or buoyancy.
- An in-depth understanding of the regulatory environments in which we and our clients operate - both onshore and offshore.
- The desire to understand our clients' businesses, and to work with them to achieve the best possible technical and financial outcome for them.

We are not complacent: we are only where we are due to our ability to keep our band of loyal customers happy, whilst adding to them by demonstrating to others the value which we can bring to their businesses. If we let that slip then we are nowhere. And that is why we keep investing in our business: to better serve your business.

Hence the brand new factory capable of producing 3,500 tons of lift and water load testing capacity each and every month. And hence us holding and managing the largest global rental fleet of buoyancy and ballast bags.

As you continue to invest in us, we'll continue to invest in you. We are always happy to hear from customers new and old alike as to how we may better serve you. We will travel the world to meet with you at your convenience, and the doors of our factory are always open and the kettle is always on for visits from those who would like to see what we do, and how we do it, for themselves.

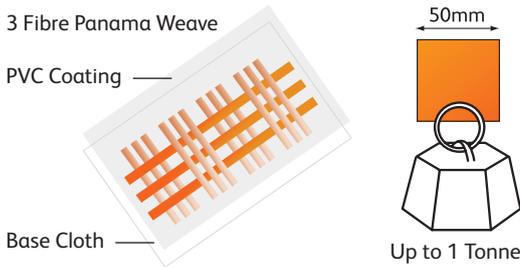


# Seaflex - Technology, Service and Support

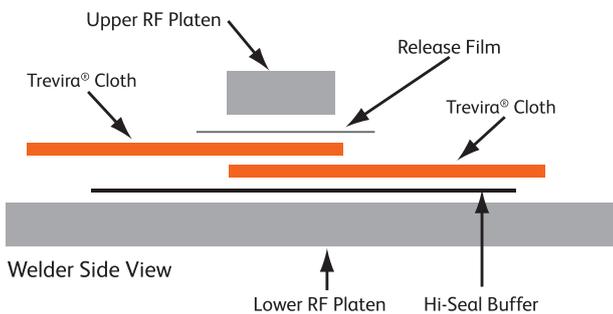
## Manufacturing Technology

All Seaflex products are designed and manufactured in the UK.

Our bag canopies are constructed from High Tensile Trevira® Polyester base cloth (either 2 / 2 or 3 / 3 fibre panama pattern weave) coated with heavy duty UV stabilised PVC coating or, for special applications, polyurethane. Trevira is incredibly strong; a 50 mm wide 3/3 strip has a break load of approximately 1 tonne.



The panels for our bags are precision cut on our 15 metre long, 3 metre wide advanced automated table for perfect repeatability. Once inspected and approved panels are assembled by skilled personnel to using Radio Frequency welding to strict quality control standards.



## Certification

All our work is carried out within a system which complies with the ISO 9001-2009 Quality Management Standard as audited by Lloyds Register Quality Assurance for full traceability - and we have now gained ISO 14001 and ISO 18001 accreditation.



## Service

Whether for hire or sale, all Seaflex products are sent out fully tested and inspected against their build criteria. And we do also offer on-site support to our clients in the use of our products - this most often happens within the more complex buoyancy applications for our products.

In the event that your Seaflex product should suffer minor damage in service, we can supply an approved, boxed field service kit comprising of patches, a professional quality heat gun and instruction manual to make good minor leaks prior to product refurbishment.

We can also advise on the viability of carrying out more extensive repairs, which would typically be undertaken either at our factory or at one of our approved service centres.

## Support

Our support philosophy is “Wherever, Whenever”. This underlines the Seaflex commitment to not just sending out tested, proven products in proper shipping crates and with the most comprehensive documentation package in the business - but to assisting our customers in every way possible throughout their time using our products, whether the job is a hire project or an equipment sale.

We offer worldwide support to our customers via either email or phone from head office in the UK and via our ever-growing network of offices and partners around the world.

Put your trust in Seaflex. We won't let you down.



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