



Composite Manhole Covers and Underground Containment Systems

RETAIL FUELING
INDUSTRIAL COVERS
TRENCH COVERS
STEAM COVERS

FIBRELITE

We've got you covered

fibrelite.com

Company introduction

Fibrelite is the world's leading manufacturer of high-quality composite manhole covers and fiberglass secondary containment systems. Fibrelite introduced the lightweight composite manhole cover to the retail petroleum industry over 35 years ago and currently sells its products in over 70 countries worldwide.

Fibrelite has developed a new composite cover design nearly every year and now manufactures more than 25 different varieties of manhole covers, multiports and access covers. Fibrelite currently manufactures round covers ranging in size from 12" to 42" in diameter and square and rectangular covers measuring from 18" square to rectangular covers measuring over 55" long.

Fibrelite's innovative composite technology allows for multiport and single port cover designs – no other company in the industry currently offers a multiport composite cover that can handle 25-ton loading.

After 25 years, Fibrelite continues to stand for high quality, watertight, corrosion-resistant manhole covers that last the lifetime of a site. With three manufacturing plants located around the world, Fibrelite currently manufactures over 20,000 composite covers annually.

From high-performance composite covers to watertight tank and dispenser sumps, Fibrelite manufactures high-quality fiberglass products that can deliver in the toughest conditions. All fiberglass secondary containment products are vacuum tested in the factory to ensure that they are watertight prior to shipment.



Fibrelite's commitment to quality

Fibrelite's products are manufactured in the UK, US and Malaysia under the strictest control on raw material quality and manufacturing standards. Fibrelite ensures that our products are regularly subjected to rigorous, independent testing to comply with stringent standards for safety, product performance, quality and reliability. In addition, the following quality accreditations also mean that the quality systems of the factory where Fibrelite products are made are systematically assessed:

- ✓ ISO9001:2008 accredited
- ✓ BSI Kitemark approved products
- ✓ Kiwa approved products
- ✓ EN 124 compliant

Polished skid resistance value

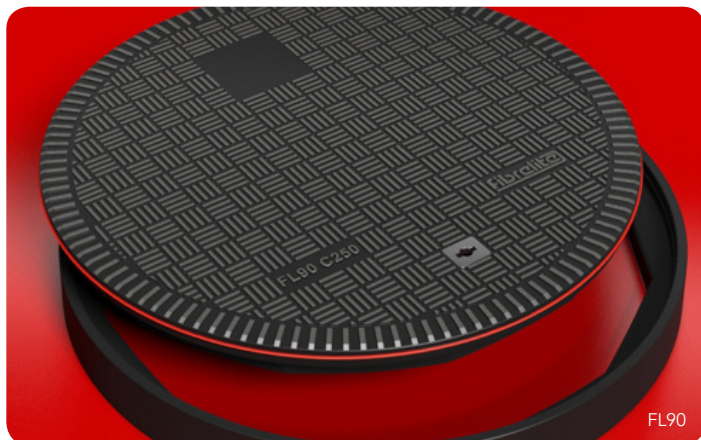
Fibrelite's covers provide an excellent anti slip/skid surface which is guaranteed for the life cycle of the cover, with a Polished Skid Resistance Value of PSRV>50 when in wet conditions, which meets the requirements of The Highways Agency (HA) 109/09, part 5.

Resin transfer molding (RTM) manufacturing

Fibrelite's products are manufactured in a closed mold environment combining long strand multi-directional fiberglass with a specifically formulated resin matrix. Producing an extremely durable but lightweight product, approx. 1/3rd the weight of a steel or cast iron cover.

FRP composite manhole covers

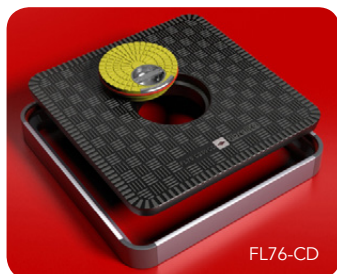
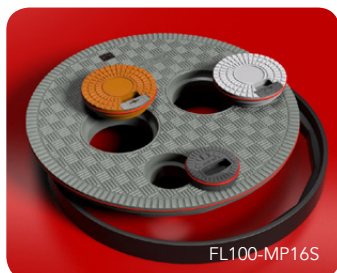
Watertight manhole covers, multiport and manual access covers



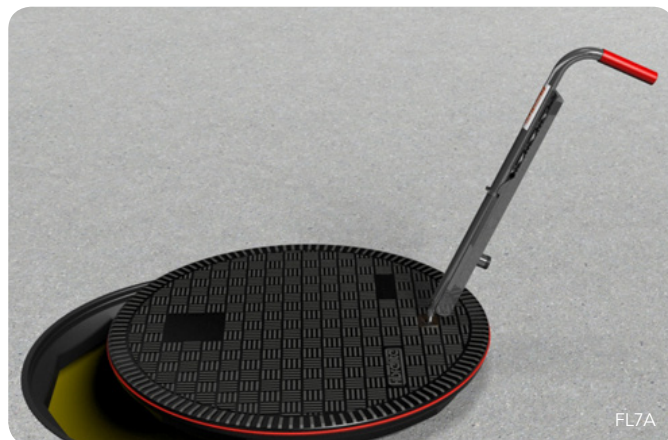
Fibrelite also offers the retail petroleum industry the widest range of watertight fiberglass transition sumps, vent transition sumps, ATG and monitoring well sumps as well as electrical junction boxes and drawpits. The leading watertight, easy to remove, non-bolted cover on the market is available in a large selection of sizes and can be used for a wide range of applications. From tank sump access to fill sump applications, monitoring well, and drawpit access, Fibrelite has it covered. All covers are lockable and available in H20 (standard duty) or H25 (heavy duty) load ratings.

Benefits

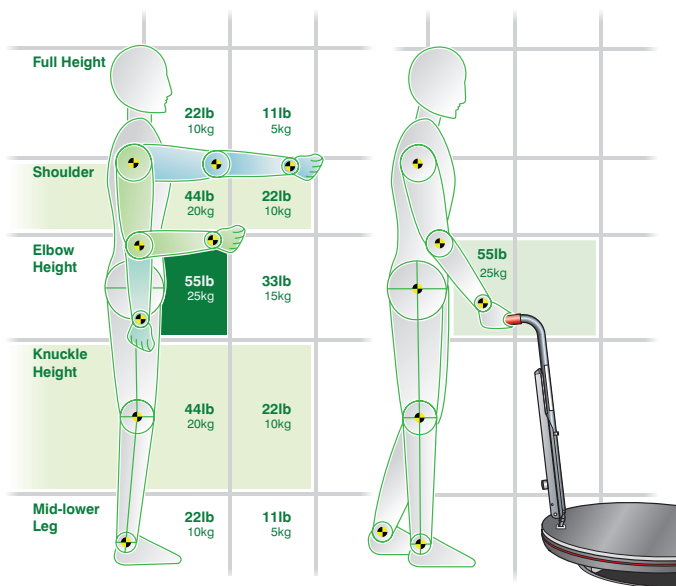
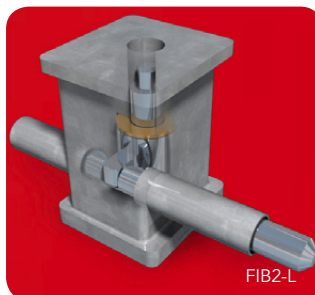
- Lightweight
- UV resistant
- Round, square and rectangular (wide range of sizes)
- Anti-slip surface
- Anti-static material
- Non-corrosive
- Watertight, sealed
- Non-bolted
- Ergonomic, single person removal and replacement with lifting handle
- Monolithic structure eliminates delaminating
- No permanent set
- Locks available
- Available in any RAL color



Accessories



Fibrelite offers a range of manhole cover accessories. These include lifting handles (ergonomically designed to facilitate easy and safe removal and replacement of the covers); security locks for each size and style cover; fiberglass skirts that allow for access into and drainage around the sump opening; safety platforms and gasket replacement kits. All gaskets used in Fibrelite's watertight covers can be replaced if damaged.

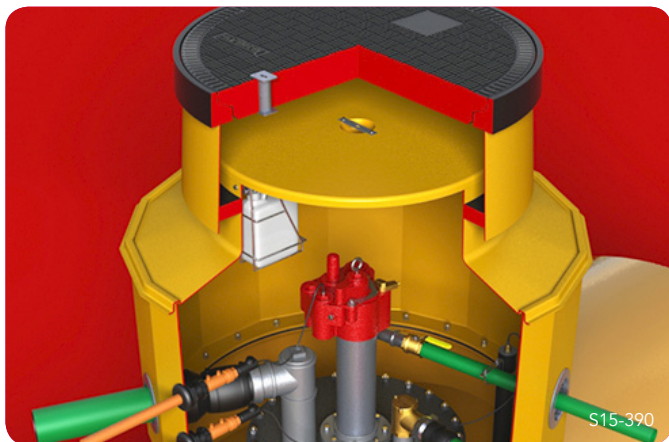


Recommended load moving capabilities in relation to weight and position

The ergonomic representation of the Fibrelite lifting method (FL7A and FL90 cover)

Underground containment systems

Tank sumps

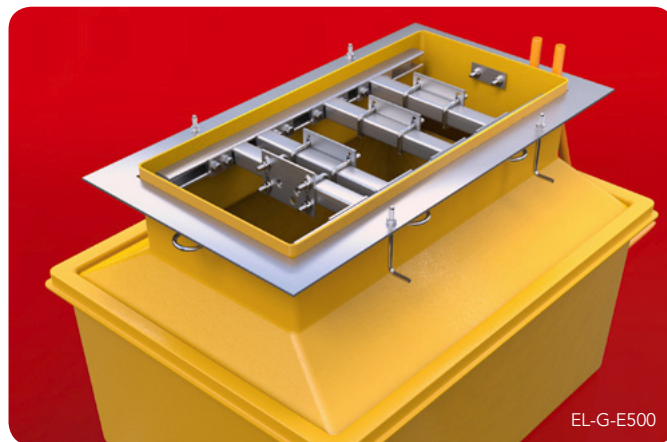


Manufactured using the latest in FRP technology, Fibrelite offers a range of sumps for any type of tank connection. They are all height adjustable allowing easy installation and eliminate any load transfer from the cover to the tank. Available round, square or rectangular, all sumps are supplied in multiple pieces creating the maximum space for installers to work.

Benefits

- Watertight – structure will not deform under water pressure
- Can be buried up to 3m deep
- Anti-static surface
- Vacuum testable during and post installation
- Available for both new and retrofit applications
- Sump extensions maintain the space inside the sump enabling easy maintenance
- Guaranteed uniform wall thickness
- Compatible with biofuels

Dispenser sumps



Manufactured using the same technology as our tank sumps, Fibrelite offers the largest range of dispenser sumps available. Each one is designed specifically for the dispenser make and model allowing easy installation and ensuring a watertight system. All dispenser sumps are supplied in two pieces creating the maximum space for installers to work.

Benefits

- Watertight – structure will not deform under water pressure
- Anti-static surface
- Vacuum testable during and post installation
- Dispenser make and model specific designs
- Guaranteed uniform wall thickness
- Supplied with all metalwork and hardware
- Two piece design permitting maximum working space for installation
- Compatible with biofuels

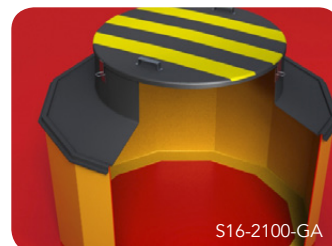
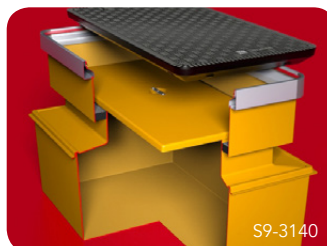
Other containment systems

From fill sumps and transition sumps to monitoring wells, manual dip sumps, ATG's and electrical drawpits. Manufactured using the latest FRP technology, these containment systems are all vacuum testable and offer watertight solutions. In order to reduce installation time on site, some of the Fibrelite range of containment systems can have pre-installed accessories. The below ground fill sumps can be supplied with pre-installed pipework according to the pipe specification and all grounding connections. The range of electrical drawpits can also have factory fitted entry ducts if required.

All systems are tested in-house prior to delivery ensuring peace of mind.

Benefits

- Watertight – structure will not deform under water pressure
- Anti-static surface
- Vacuum testable during and post installation
- Guaranteed uniform wall thickness
- Pre-installed accessories available
- Compatible with biofuels



Underground containment systems

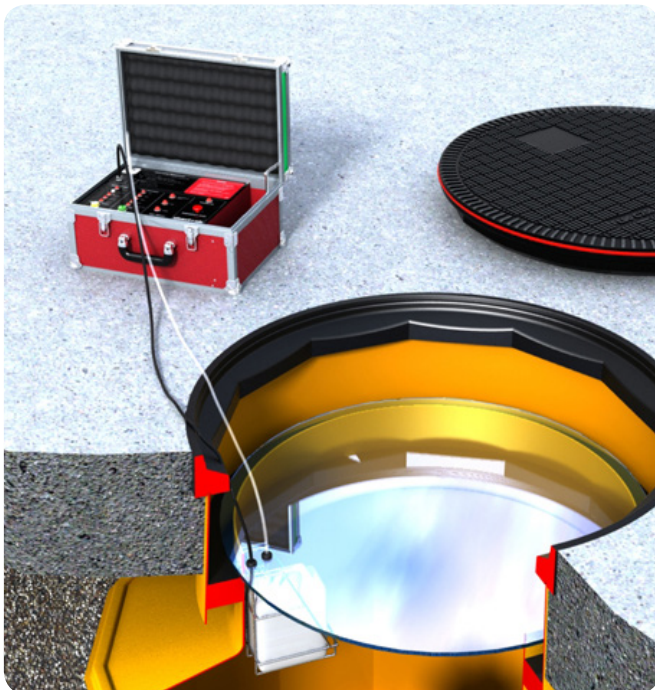
Vacuum testing



Fibrelite pioneered containment sump testing over ten years ago and it has now become an industry standard. Using the Sherlock test module, a vacuum test is performed to check the structural integrity of the sump system and the integrity of the installation, from joints and bolt holes to manway lids, pipework connections, and penetrations. A vacuum is pulled inside the sump and then the Sherlock module monitors that vacuum over a period of time, giving a pass or fail result. All containment systems can be vacuum tested during installation, or existing systems can be retro-tested to locate leaks.

Benefits

- Guarantees a watertight installation
- Testing can be carried out at different stages of installation
- Gives site owner peace of mind
- Leaking sumps can be retro-tested to find source



Pipe and cable entry kits



Fibrelite's range of pipe and cable entry kits offer a unique design allowing a single hole installation. No additional screw holes need to be drilled. This provides the installer with a quick and easy installation and minimises potential leak paths through the sump wall. The pipe sleeves are made from a fuel resistant nitrile grade or Viton rubber and the bellowed design facilitates movement with changing ground conditions.

Benefits

- Single hole installation
- Bellowed design allowing ground movement
- Internal fixings allowing easy maintenance
- Available in high-grade nitrile or Viton rubber
- Available in many sizes
- Available single or double sided for peace of mind
- Available for retractable pipework systems



Installation

Performance of Fibrelite covers is dependent on correct installation and installers must follow our product specific instructions. For unusual installations, please contact our technical department for advice.

Our global sales and support network

Fibrelite was established in 1980 and is now part of OPW, a Dover company. Fibrelite products are sold worldwide through an established global network of distributors.

Fibrelite's commitment

Fibrelite's FL76 and FL90 covers have been accredited with the BSI Kitemark. This is your assurance that our products are regularly subjected to rigorous, independent testing to ensure that they comply with stringent standards for safety, product performance, and reliability. In addition, the Kitemark also means that the quality systems of the factory where Fibrelite covers are made are systematically assessed. The Kitemark is therefore, Fibrelite's commitment towards maintaining the highest possible standards. Fibrelite products are manufactured in the US, UK, and Malaysia. Fibrelite ensures the strictest control on raw material quality and manufacturing standards. All products are manufactured in accordance with ISO9001:2008. ISO accreditation applies to the UK manufacturing plant.

Technical resources

Each product is fully supported with dimensional product drawings and installation instructions. To access this information please contact Fibrelite directly or log onto our website at www.fibrelite.com



If you'd like to stay in touch with all that's happening at Fibrelite then join the conversation on our social media channels. You'll find us on LinkedIn, Twitter, Facebook, Youtube and Google Plus.



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