

## Composite Manhole Covers

- RETAIL FUELLING
- INDUSTRIAL COVERS
- TRENCH COVERS
- STEAM COVERS

# FIBRELITE

We've got you covered

## The world's leading brand of high quality lightweight composite access covers offering the best strength to weight ratio in the industry

### At the forefront of quality and innovation

Fibrelite is the preferred brand of major oil companies around the world. Every Fibrelite cover is manufactured using high-technology RTM production methods to create a highly engineered, monolithic composite product. Fibrelite has been at the forefront of glass reinforced plastic (GRP) composite technology since 1980 and was the very first company to design and manufacture composite covers for any application. The aim was to combat the health and safety issues associated with the removal and replacement of traditional heavy metal covers. Fibrelite has established a global reputation for high quality products and superior after sales service. The company has held accreditation to both the ISO quality standard and British Standards Kitemark since 1998.

### Lightweight without compromising on strength

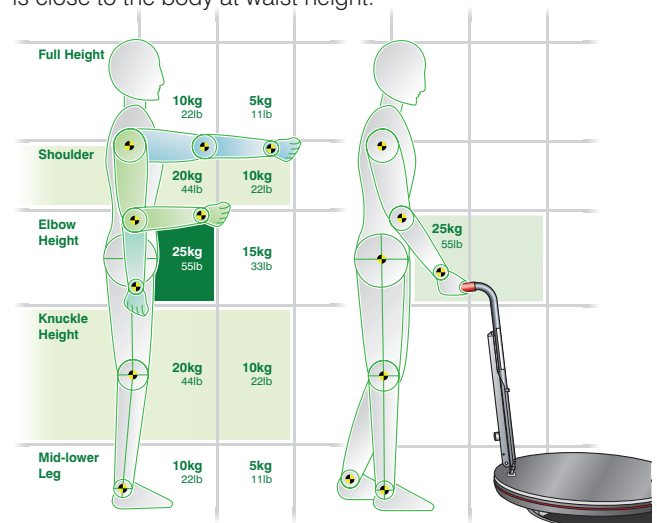
Fibrelite's composite covers are tested to EN 124 and are available with load ratings from A15 up to F900 depending on the application. They are lightweight, strong, easily removable and available in a wide range of sizes, shapes and colours. The patented monolithic structure of a Fibrelite cover ensures that they will not crack or delaminate during usage.

### Benefits in summary

- Load ratings C250 and D400 available across the range (EN 124)
- Wide range of sizes and shapes
- Unaffected by biofuels
- Will not corrode, crack or crumble
- Sealed manhole covers are water and vapour tight
- Easy and safe manual removal
- Lifting aid eliminates back injury and crushed fingers
- Eliminates risk of theft due to no resale value to the scrap market
- Incredibly strong monolithic structure that will not delaminate
- Treads incorporate a specialised anti-slip material
- Range of UV stable colours available that will not flake or crack
- Security locks available
- Cover marking / customisation available
- Anti-static

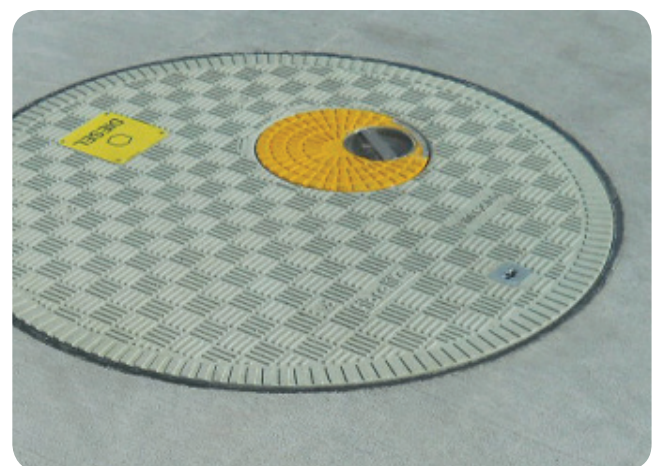
### Easy safe lifting and replacement

Fibrelite's composite access covers are proven to be ergonomically safe for men and women to remove and replace. The design incorporates up to two lifting points for our specially designed lifting handles. These allow the operator to remove the cover without trapping fingers or bending over thus maximising the safety of the lifting technique. The weight is kept close to the body preventing back injury; one of the main causes of absence from work and personal injury claims. The charts below show that the safest place to lift or pull a load is close to the body at waist height.



The Health and Safety Executive recommended load moving capabilities in relation to weight and position

The Ergonomic representation of the Fibrelite lifting method (FL90)





## Watertight flat sealed covers

The leading watertight, easy to remove, non-bolting composite manhole cover on the market is available in a range of sizes and load ratings. Large covers are designed for tank access.

The smaller covers are suitable for direct fill, remote fill, manual dip, monitoring well & drawpit access. Locks are available. All covers have a standard load rating of C250 (25 tonnes). Heavy duty D400 (40 tonnes) versions are available.



FL90



FL120-MW

### Round covers

#### Product code Description

FL100	1020mm dia. flat sealed cover and composite frame
FL90	900mm dia. flat sealed cover and composite frame
FL760	760mm dia. flat sealed cover and composite frame
FL600	600mm dia. flat sealed cover and composite frame
FL180	450mm dia. flat sealed cover and composite frame
FL120	300mm dia. flat sealed cover and composite frame
FL120-MW	300mm dia flat sealed cover and composite frame with monitoring well ID plate
FL120-GP	300mm dia flat sealed cover and composite frame with grounding point ID plate



FL140



FL76

### Square and rectangular covers

#### Product code Description

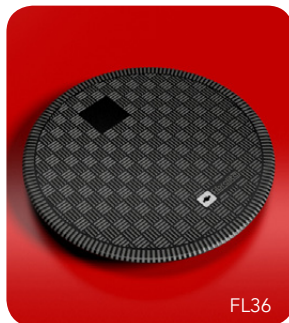
FL140	1400 x 700mm flat sealed cover and aluminium frame
FL900	900 x 900mm flat sealed cover and aluminium frame
FL96	900 x 600mm flat sealed cover and aluminium frame
FL76	760 x 760mm flat sealed cover and aluminium frame
FL60	600 x 600mm flat sealed cover and aluminium frame
FL450	450 x 450mm flat sealed cover and aluminium frame

## Raised raintight covers

Our basic raised unsealed raintight cover is designed with a simple water check with frame. Locks are available. C250 (25 tonne) load rating is available. Covers are suitable for all forecourt applications.



FL42



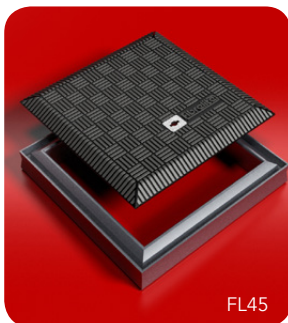
FL36

### Replacement round covers

#### Product code Description

FL42	1075mm dia. raintight raised cover*
FL36	900mm dia. raintight raised cover*

\*frames not available



FL45



FL3

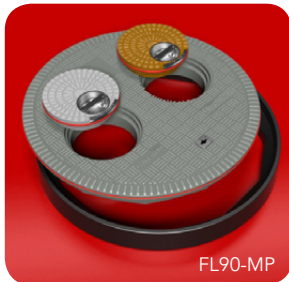
### Square and rectangular covers

#### Product code Description

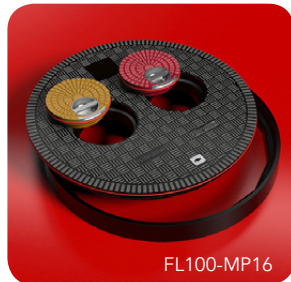
FL10	766 x 766mm raintight raised cover and aluminium frame
FL1	600 x 600mm raintight raised cover and aluminium frame
FL3	600 x 766mm raintight raised cover and aluminium frame
FL45	450 x 450mm raintight raised cover and aluminium frame

## Single/multi-port covers

Our premium range of watertight covers are available with one or two ports. Designed for easy access to a manual dipstick as well as fill and vapour recovery risers. Port covers can also be colour coded to identify the fuel grade. All covers have a standard load rating of C250 (25 tonnes). Heavy duty D400 (40 tonne) covers are available.



FL90-MP



FL100-MP16

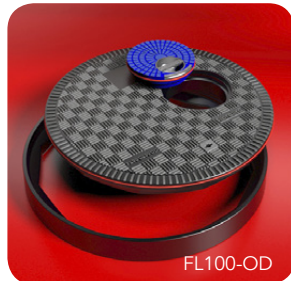
### Dual port covers

#### Product code Description

- FL100-MP16 1020mm dia. flat sealed cover, two ports (254mm dia.) on 406mm centre and composite frame
- FL100-MP550 1020mm dia. flat sealed cover, two ports (254mm dia.) on 550mm centre and composite frame
- FL90-MP 900mm dia. flat sealed cover, two ports (254mm dia.) on 406mm centre and composite frame



FL90-CD



FL100-OD

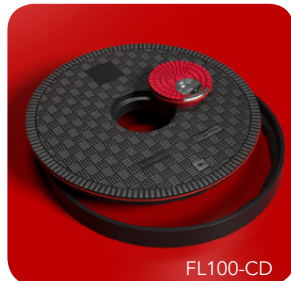
### Single port covers

#### Product code Description

- FL100-CD 1020mm dia. flat sealed cover, centre dip port (254mm dia.)
- FL100-OD 1020mm dia. flat sealed cover, offset dip port (254mm dia.), 203mm off centre
- FL100-CF 1020mm dia. flat sealed cover, centre fill port (254mm dia.)
- FL100-OF8 1020mm dia. flat sealed cover, offset fill port (254mm dia.), 203mm off centre
- FL100-OF275 1020mm dia. flat sealed cover, offset fill port (254mm dia.), 275mm off centre
- FL90-CF 900mm dia. flat sealed cover, centre fill port (254mm dia.)
- FL90-OF 900mm dia. flat sealed cover, offset fill port (254mm dia.)
- FL90-CD 900mm dia. flat sealed cover, centre dip port (254mm dia.)
- FL90-OD 900mm dia. flat sealed cover, offset dip port (254mm dia.)
- FL76-CD 760mm square cover, central dip port (254mm dia.)



FL76-CD



FL100-CD

### Port cover

#### Product code Description

- FC-254 254mm dia. sealed port cover

## Lifting handles



FL7A



FL7

#### Product code Description

- FL7 To easily and safely remove and replace raised covers and flat covers with no seal
- FL7A With foot lever designed to break the seal on watertight flat sealed covers. It can be used to remove all types of Fibrelite covers
- FL7A-ENCL 910 x 362mm lockable cabinet to house 2 lifting handles (handles not included)



FL7A-ENCL (open)



FL7A-ENCL (closed)

## GRP skirts

GRP skirts are manufactured using high technology RTM production methods, to create a one piece moulded, smooth finish skirt. Skirts are supplied with a bonding sealant to create a watertight seal with the frame. The strong non-corrosive structure provides an excellent surface to support concrete.



### Square and rectangular covers

#### Product code Description

FL140-SK300	300mm deep skirt to fit FL140
FL96-SK300	275mm deep skirt to fit FL96
FL900-SK300	275mm deep skirt to fit FL900
FL10-76-SK300	278mm deep straight skirt to fit FL10 and FL76
FL60-SK250	254mm deep straight skirt to fit FL60
FL450-SK300	300mm deep straight skirt to fit FL450



### Round covers - flared

#### Product code Description

FL100-SK250	254mm deep skirt to fit FL100
FL90-SK250	252mm deep skirt to fit FL90
FL760-SK300	300mm deep skirt to fit FL760



### Round covers - straight skirts

#### Product code Description

FL100-SK300	300mm deep skirt to fit FL100
FL36-90-SK400	430mm deep skirt to fit both FL36 and FL90
FL90-SK300	300mm deep skirt to fit FL90
FL600-SK300	300mm deep skirt to fit FL600
FL180-SK300	300mm deep skirt to fit FL180
FL120-SK300	290mm deep skirt to fit FL120

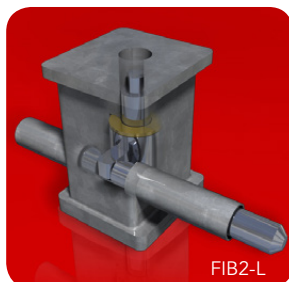
## Cover/frame locks

Security locks can be mounted onto the frame or can be moulded into the cover.



#### Product code Description

FIB-L	Frame mounted lock to use with FL1, FL3 and FL10 covers
FIB45-L	Frame mounted lock to use with FL45 cover
FIB76-L	Frame mounted lock to use with FL450, FL60, FL76, FL900, FL96 and FL140 flat sealed covers (2 required for FL140)
FIB90-L	Frame mounted lock to use with FL120, FL180, FL600, FL760, FL90 and FL100 flat sealed covers
FIB2-L	Cover encapsulated lock for use with all flat sealed covers
FL-RL	Cover encapsulated paddle lock for use with FL120, FL180, FL600, FL760, FL90 and FL100 flat sealed covers
FL-SL	Cover encapsulated paddle lock for use with FL450, FL60, FL76, and FL900 flat sealed covers





## 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 currently has three manufacturing plants around the world. Our head office with a manufacturing plant is located in England and serves the UK, Europe, Middle East and Africa. America and Canada are serviced by our US plant and sales office based in Smithfield. Fibrelite's manufacturing plant in Malaysia supplies to the Asia Pacific region. Fibrelite has an established global network of distributors to ensure a local Fibrelite representative is available wherever required. Details of your nearest distributor can be found on our website.

## 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 UK, US 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 on to our website at [www.fibrelite.com](http://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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