

GRP Composite Manhole Covers

FIBRELITE

PART OF OPW a **DOVER** company

RETAIL FUELLING
INDUSTRIAL
TRENCH
STEAM

Specified
on forecourts
across the
globe

At The Forefront of Quality & Innovation

Fibrelite is the preferred brand of major oil companies across the globe. 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 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

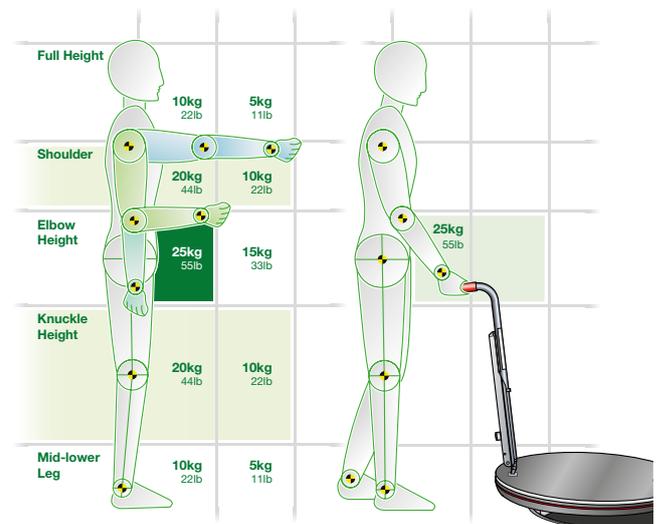
Fibrelite's composite covers are tested to EN 124 and are available in B125 and D400 load ratings (other load ratings available upon request). They are lightweight, strong, easily removable and available in a wide range of sizes, shapes and colours. The monolithic structure of a Fibrelite cover ensures that they will not crack or delaminate during usage.



Fibrelite has held accreditation to both the ISO quality standard and British Standards Kitemark since 1998

Easy Safe Lifting & Replacement

Fibrelite's composite manhole covers are proven to be ergonomically safe for men and women to remove and replace. The design incorporates a lifting point for a specially designed lifting handle. 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 diagram below shows 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)

Benefits in Summary

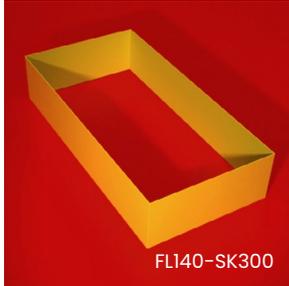
- Load ratings C250 and D400 available across the range (EN 124)
- Wide range of sizes and shapes
- Unaffected by biofuels
- Will not corrode, crack or crumble
- Sealed manhole covers are water and vapour tight
- Easy and safe manual removal
- Lifting aid eliminates back injury and crushed fingers
- 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/skid material
- Range of UV stable colours available that will not flake or crack
- Security locks available
- Cover marking / customisation available
- Anti-static

GRP Skirts

GRP skirts are manufactured using high technology RTM production methods, to create a one piece moulded, skirt with a smooth finish. 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.



FL100-SK250



FL140-SK300



FL10-76-SK300



FL90-SK300



FL100-SK300



FL120-SK300

Square & 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

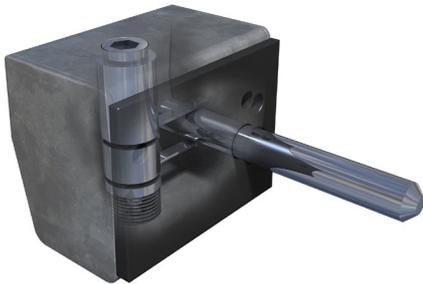
Product code Description

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



FIB90-L
& FIB76-L

Locks – Frame Mounted

Protects against theft and unauthorised access.

Product Code Description

FIB90-L	Round Covers
FIB76-L	Square Covers

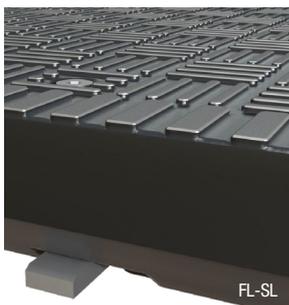
Locks – Cover Encapsulated

Product Code Description

FL-RL	Cover encapsulated lock for use with all flat sealed round covers
FL-SL	Cover encapsulated lock for use with all flat sealed square and rectangular covers



FL-RL



FL-SL

Watertight Flat Sealed Covers

The leading watertight, easy to remove, non-bolting composite manhole covers on the market are 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 also available.



FL90



FL120-MW



FL140



FL76

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

Square & 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



FL42



FL36



FL45



FL3

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.

Replacement Round Covers

Product code Description

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

*frames not available

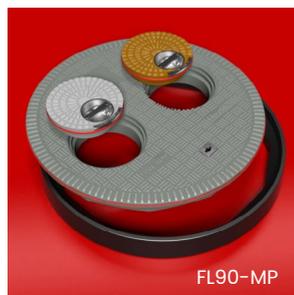
Replacement Square & Rectangular Covers

Product code Description

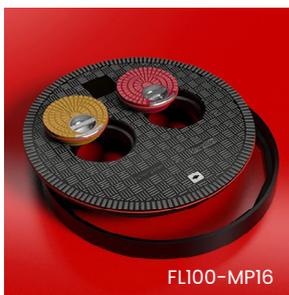
FL10	766 x 766mm raintight raised cover
FL1	600 x 600mm raintight raised cover
FL3	600 x 766mm raintight raised cover
FL45	450 x 450mm raintight raised cover

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 also available.



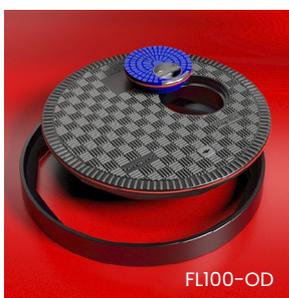
FL90-MP



FL100-MP16



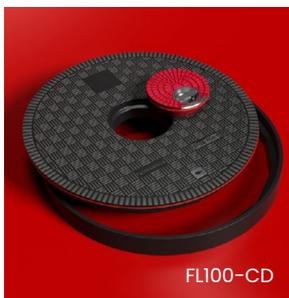
FL90-CD



FL100-OD



FL76-CD



FL100-CD



FL7A



FL7



FL7A-ENCL (open)



FL7A-ENCL (closed)

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

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.)

Port Covers

Product code Description

- FC-254 254mm dia. sealed port cover

Lifting Handles

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)

Technical Resources

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

Installation

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

BS EN 124

Fibrelite's covers comply with the load test requirement of BS EN 124, classes C250 and D400.

Fibrelite's Commitment

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 to the ISO standard.

Our Global Sales & 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.



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, X, Facebook & Youtube.



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