

## Composite Manhole Covers

RETAIL FUELING  
INDUSTRIAL COVERS  
TRENCH COVERS  
STEAM COVERS

# FIBRELITE



We've got you covered

[fibrelite.com](http://fibrelite.com)

# 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 fiber reinforced plastic (FRP) 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

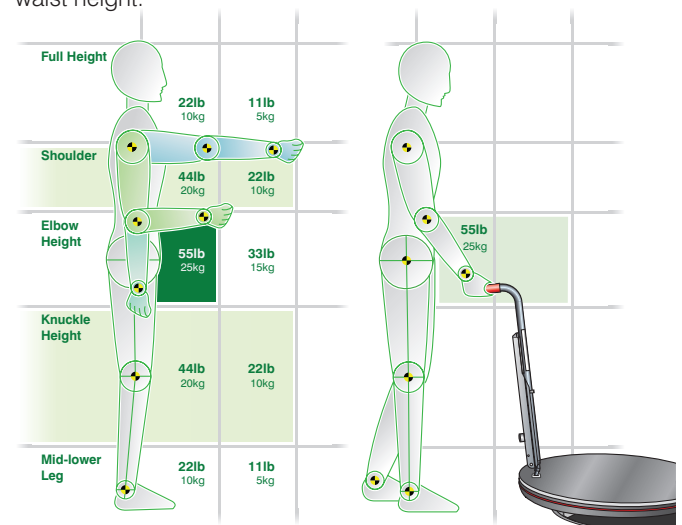
Fibrelite's composite covers are tested to AASHTO H20/H25 load rating standards. They are lightweight, strong, easily removable and available in a wide range of sizes, shapes and colors. The monolithic structure of a Fibrelite cover ensures that they will not crack or delaminate during usage.

## Benefits in summary

- Standard duty load rating is AASHTO H20
- Load ratings available from pedestrian (1.5 tons) to extreme heavy duty (90 tons)
- Wide range of sizes and shapes
- Unaffected by biofuels
- Will not corrode, crack or crumble
- Sealed manhole covers are water and vapor 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 colors available that will not flake or crack
- Security locks available
- Cover marking / customization available
- Anti-static covers available

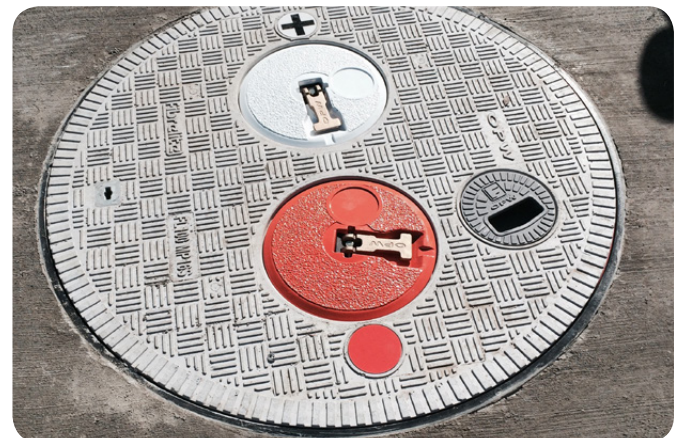
## Easy safe lifting and replacement

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)

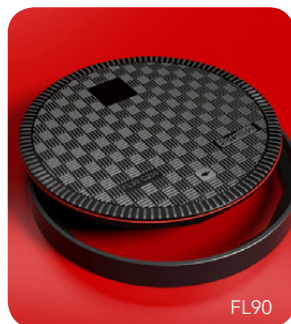




## Watertight flat gasketed covers

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 H20 load rating and heavy duty ratings are also available.



### Round covers

#### Product code

#### Description

FL100	40" dia. flat sealed cover and composite frame
FL90	36" dia. flat sealed cover and composite frame
FL760	30" dia. flat sealed cover and composite frame
FL600	24" dia. flat sealed cover and composite frame
FL180	18" dia. flat sealed cover and composite frame
FL120	12" dia. flat sealed cover and composite frame
FL120-MW	12" dia flat sealed cover and composite frame with monitoring well ID plate
FL120-GP	12" dia flat sealed cover and composite frame with grounding point ID plate



### Square and rectangular covers

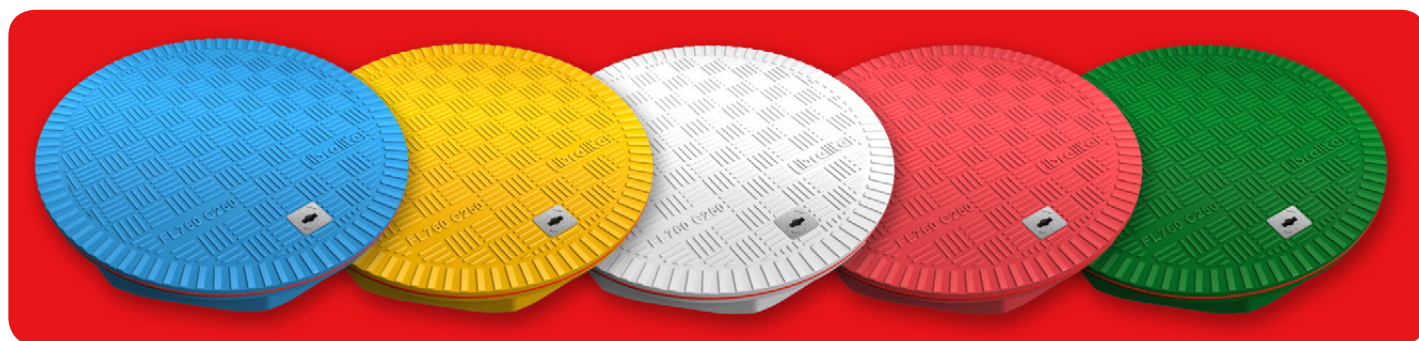
#### Product code

#### Description

FL140	55" x 28" flat sealed cover and aluminum frame
FL900	36" x 36" flat sealed cover and aluminum frame
FL96	36" x 24" flat sealed cover and aluminum frame
FL76	30" x 30" flat sealed cover and aluminum frame
FL60	24" x 24" flat sealed cover and aluminum frame
FL450	18" x 18" flat sealed cover and aluminum frame

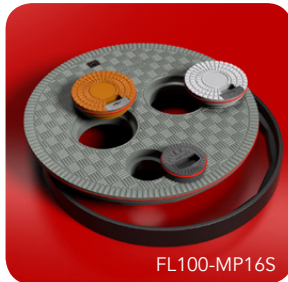
## Colored and personalized covers

Fibrelite covers are available in a range of colors to identify the fuel grade. Oil company logo's can also be molded to the cover for an additional charge.

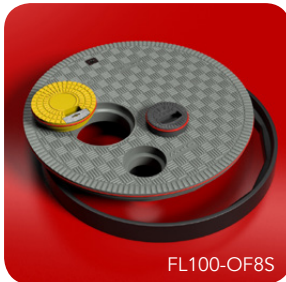


## Single/multi-port covers

Our premium range of watertight covers are available with one or two ports. Designed for easy access to the fill and vapor recovery risers, port covers can also be color coded to identify the fuel grade. All covers have a standard load rating of AASHTO H20. Heavy duty covers are also available for use in truck stops, bus depots and other locations that service heavy vehicles.



FL100-MP16S



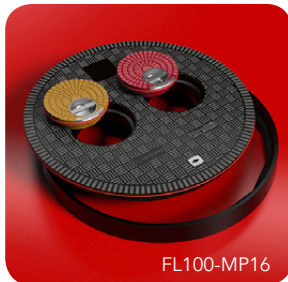
FL100-OF8S

### FibreTite port covers

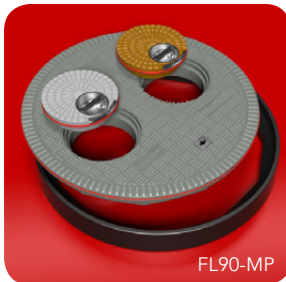
FibreTite range of port covers are designed to connect to OPW P761C spill buckets. This enables the buckets to be sealed off to prevent any leaks occurring should the buckets be overfilled. Sealable watertight port covers are available for all FibreTite models.

#### Product code Description

FL100-MP16S	40" dia. flat sealed cover, two 16" on-center ports (10" dia.), at-grade inspection port and composite frame
FL100-OF8S	40" dia. flat sealed cover, 8" off-center fill port (10" dia.), at-grade inspection port and composite frame



FL100-MP16

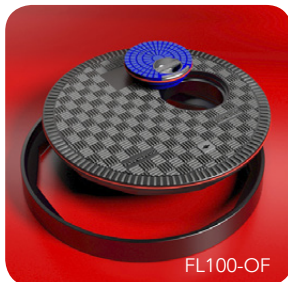


FL90-MP

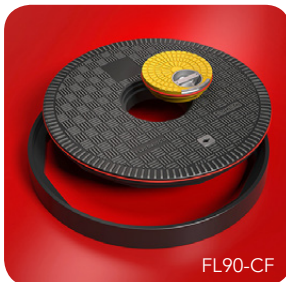
### Dual port covers

#### Product code Description

FL100-MP16	40" dia. flat sealed cover, two 16" on-center ports (10" dia.) and composite frame
FL100-MP550	40" dia. flat sealed cover, two 22" on-center ports (10" dia.) and composite frame
FL90-MP16	36" dia. flat sealed cover, two 16" on-center ports (10" dia.) and composite frame



FL100-OF



FL90-CF

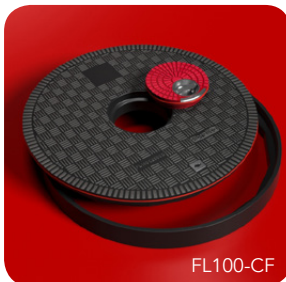
### Single port covers

#### Product code Description

FL100-CF	40" dia. flat sealed cover, center fill port (10" dia.) and composite frame
FL100-OF	40" dia. flat sealed cover, 8" off-center fill port (10" dia.) and composite frame
FL90-CF	36" dia. flat sealed cover, center fill port (10" dia.) and composite frame
FL90-OF	36" dia. flat sealed cover, 8" off-center fill port (10" dia.) and composite frame
FL76-CF	30" square cover, center fill port (10" dia.) and aluminum frame



FL76-CF



FL100-CF

### Port cover

#### Product code Description

FC-254	10" dia. sealed port cover
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## Lifting handles



FL7A



FL7A-ENCL

#### 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	36" x 14" lockable cabinet to house 2 lifting handles (handles not included)



# FRP skirts

FRP 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-SK12	12" deep skirt to fit FL140
FL96-SK12	11" deep skirt to fit FL96
FL900-SK12	11" deep skirt to fit FL900
FL10-76-SK12	11" deep straight skirt to fit FL76
FL450-SK12	12" deep straight skirt to fit FL450



## Round covers

Product code	Description
FL100-SK12	12" deep skirt to fit FL100
FL100-SK18	17" deep skirt to fit FL90
FL100-SK10-46	10" deep skirt that flares out to 46" diameter
FL90-SK12	12" deep skirt to fit FL90
FL90-SK18	17" deep skirt to fit FL90
FL760-SK12	12" deep skirt to fit FL760
FL600-SK12	12" deep skirt to fit FL600
FL180-SK12	12" deep skirt to fit FL180
FL120-SK12	11" deep skirt to fit FL120

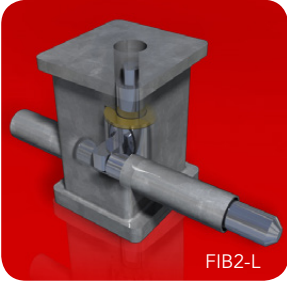


# Restraining Mechanisms

Restraining mechanisms can be mounted onto the frame or can be molded 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 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 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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