GRP Composite Access Covers
Lightweight for easy and safe manual removal, without compromising on strength

FIBRELITE
We’ve got you covered

S I N G L E  A L T E R N A T I V E  T O  M E T A L  A N D  C O N C R E T E

RETAIL PETROLEUM INDUSTRIAL COVERS TRENCH COVERS STEAM COVERS
High quality lightweight composite access covers offering the best strength to weight ratio in the industry

At the forefront of quality and innovation
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 fibre 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 solve 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.

Today Fibrelite’s high-performance, lightweight and safe-to-lift composite covers – including the unique 90 tonne load-rated trench cover – are now selected by specifiers, architects and engineers worldwide.

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.

For industrial applications
Suitable for all industries including energy and utilities, water and wastewater treatment, ports, docks, public works, arenas and stadiums, rail, retail and commercial developments. No other covering system matches its easy lift, skid resistant or load carrying properties.

Lightweight, strong and safe
Fibrelite’s composite covers are available with load ratings from super light duty to extreme heavy duty 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.

Heavy corroding steel covers requiring a crane & dedicated lifting equipment
Safe, fast, manual removal with Fibrelite lifting handles

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, composite access cover on the market is available in a range of sizes, load ratings and colours. Also, available with centre and off set inspection port.

<table>
<thead>
<tr>
<th>Product code</th>
<th>Clear opening</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL100</td>
<td>1020mm dia.</td>
<td>Flat sealed cover and composite frame</td>
</tr>
<tr>
<td>FL90</td>
<td>900mm dia.</td>
<td>Flat sealed cover and composite frame</td>
</tr>
<tr>
<td>FL760</td>
<td>760mm dia.</td>
<td>Flat sealed cover and composite frame</td>
</tr>
<tr>
<td>FL600</td>
<td>610mm dia.</td>
<td>Flat sealed cover and composite frame</td>
</tr>
<tr>
<td>FL180</td>
<td>457mm dia.</td>
<td>Flat sealed cover and composite frame</td>
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</table>

### Square and rectangular covers

<table>
<thead>
<tr>
<th>Product code</th>
<th>Clear opening</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL140</td>
<td>1400 x 700mm</td>
<td>Flat sealed cover and aluminium frame</td>
</tr>
<tr>
<td>FL900</td>
<td>900 x 900mm</td>
<td>Flat sealed cover and aluminium frame</td>
</tr>
<tr>
<td>FL96</td>
<td>900 x 600mm</td>
<td>Flat sealed cover and aluminium frame</td>
</tr>
<tr>
<td>FL76</td>
<td>760 x 760mm</td>
<td>Flat sealed cover and aluminium frame</td>
</tr>
<tr>
<td>FL60</td>
<td>600 x 600mm</td>
<td>Flat sealed cover and aluminium frame</td>
</tr>
</tbody>
</table>

### Fixed height systems

<table>
<thead>
<tr>
<th>Product code</th>
<th>Internal dimensions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-1450</td>
<td>450 x 450 x 600mm</td>
<td>GRP solid base sump with watertight flat sealed cover and frame</td>
</tr>
<tr>
<td>S2-160</td>
<td>600 x 600 x 600mm</td>
<td>GRP solid base sump with watertight flat sealed cover and frame</td>
</tr>
<tr>
<td>S3-176</td>
<td>760 x 760 x 600mm</td>
<td>GRP solid base sump with watertight flat sealed cover and frame</td>
</tr>
<tr>
<td>S4-176</td>
<td>760 x 760 x 760mm</td>
<td>GRP solid base sump with watertight flat sealed cover and frame</td>
</tr>
</tbody>
</table>

### Adjustable height systems

<table>
<thead>
<tr>
<th>Product code</th>
<th>Internal dimensions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-3450-SKIRT</td>
<td>450 x 450 x 600mm</td>
<td>GRP solid base sump and skirt with watertight flat sealed cover and frame</td>
</tr>
<tr>
<td>S2-360-SKIRT</td>
<td>600 x 600 x 600mm</td>
<td>GRP solid base sump and skirt with watertight flat sealed cover and frame</td>
</tr>
<tr>
<td>S3-376-SKIRT</td>
<td>760 x 760 x 600mm</td>
<td>GRP solid base sump and skirt with watertight flat sealed cover and frame</td>
</tr>
<tr>
<td>S4-376-SKIRT</td>
<td>760 x 760 x 760mm</td>
<td>GRP solid base sump and skirt with watertight flat sealed cover and frame</td>
</tr>
</tbody>
</table>

### Electrical drawpits/junction boxes

The electrical drawpit range offers a perfect watertight containment solution. There is a choice of either fixed height or adjustable height systems. The adjustable height system includes a skirt, which allows the frame to be set to grade level more easily during installation. All systems are completed at grade level with a Fibrelite watertight sealed cover.
Lifting handles

Product code | Description
---|---
FL7A | To remove and replace all types of covers. Features a foot lever designed to break the seal on watertight flat sealed covers
FL7 | To remove and replace raised covers and trench covers
FL7A-ENCL | 910mm x 362mm x 100mm lockable cabinet to house two FL7A lifting handles

Cover/frame locks

Product code | Description
---|---
FIB90-L | Frame mounted lock for use with all flat sealed round covers
FIB76-L | Frame mounted lock for use with all flat sealed square and rectangular covers
FIB2-L | Cover encapsulated lock for use with all flat sealed covers
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

Coloured and personalised covers

Fibrelite covers can incorporate logos and/or be colour-coded to match a facility’s branding, or even to identify the specific underground service that can be accessed via a particular cover.
Benefits in summary

- Load ratings from A15 to F900 (BS EN 124)
- Wide range of sizes, colours and shapes
- Unaffected by underground gases and most chemicals
- Will not corrode, crack or crumble
- Sealed manhole covers are water and odour tight
- Excellent insulator against heat
- 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
- Perfect for access to drains, electrical ducts and underground pipework
- Range of UV stable colours available that will not flake or crack
- Security locks available
- Cover marking / customisation available
- Conductive and non-conductive options available

Cost benefit summary

- A Fibrelite cover will be a one-time charge as it will not be stolen for scrap value
- Covers will not corrode or need to be painted
- No moving mechanical parts
- Very low maintenance
- Lightweight, zero risk of back/finger injuries (zero cost from employee insurance claims)
- Covers will not leave a dangerous open hole in the ground (zero cost from public injury claims)

BS EN 124

Fibrelite's covers comply with the load test requirement of BS EN 124: 1994, classes C250 and D400.

Skid resistance (wet and dry)

A ceramic aggregate is incorporated into the cover surface during moulding. This aggregate gives the cover its unique antislip properties and high wear resistance characteristics.

Independent tests were carried out by Devon County Council Materials Laboratory. A ceramic aggregate (incorporated into the surface of the cover) combined with the specially designed tread pattern gave results showing the Fibrelite cover has antislip properties ‘equivalent to a high grade road surface’.

Fibrelite’s excellent anti-slip/skid surface is guaranteed for the life of the panel providing a Polished Skid Resistance Value PSRV60> when wet which exceeds the requirements of HA 104/09, part 5, for potentially high risk sites.
Customer testimonials

Theatre

“Overall I think Fibrelite is a great solution to a difficult design problem for us of achieving both a robust and high load capacity cover to the multicore cables running for stage to control desk whilst maintaining low weight and easy access.”

Jonathan Size, Foster Wilson Architects

Power Station

“We were looking for an installation to replace our ageing duct covers. Fibrelite came up with this solution and it is manufactured and sourced locally.”

Paul Ellis, Eggborough Power Station