

Fibrelite Supply Bespoke Trench Covers and Frames to the New Nottingham Tram Development



The Fibrelite B125 (12.5 tonne) load rated medium duty trench access covers

Fibrelite Supply Trench Covers to Leading Construction Company

Fibrelite developed a completely bespoke cover and frame for this complicated application. The main requirement was easy access for operators who regularly need to enter these feeder chambers that supply the overhead lines to power the Tram. The covers were designed as a large one piece cover to sit exactly over the electrical chambers. Due to the very public areas that will eventually be a station platform the covers needed to be non-slip and lockable. Each cover has a tread pattern incorporated with anti-slip / skid properties and each cover had 4 locks moulded in for additional security. The panels are lifted regularly to ensure services are working efficiently. For operators working on the development, ease of access and safety are critical.



Bespoke trench covers for trackside gear

Fibrelite's access covers are lightweight, durable and very strong. Every Fibrelite cover is manufactured using high technology resin transfer moulded (RTM) production methods to create a highly engineered, monolithic composite product.

No Compromise on Performance

Upon request, Fibrelite can provide bespoke and custom solutions. This means that the panel dimensions, internal stiffeners and fibre architecture can be altered to optimise the performance of each panel based on project specific design criteria.

For more information on Fibrelite's product range please contact us:

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Fibrelite covers needed to be manufactured to work with pre-installed chamber systems

Customised Solutions from Fibrelite

Due to the complexity of this application, the covers were pre-made with the frames and locks in Fibrelite's UK Manufacturing Facility. This meant each of the forty four covers would be exactly the same and meant continuity of quality. For Fibrelite the challenge was to design the trench covers to fit an existing chamber that had been designed for an alternative solution. Working to an extremely tight deadline and challenging conditions, Fibrelite manufactured a completely bespoke trench cover arrangement. Widths and depths had to be changed and panels cut to exact dimensions to accommodate locking mechanisms. Fibrelite's lightweight medium duty composite trench cover was identified as the solution. Designed as a 'fit and forget' product, the maintenance free covers provide easy and safe access to the essential pipework.

Sophisticated Highly Specialised Material

Fibrelite is the world leading manufacturer of glass reinforced plastic (GRP) composite manhole covers and trench covers. This sophisticated and highly specialised material is fast becoming recognised as the more effective modern alternative to traditional materials such as heavy steel and concrete.

Benefits over metal and concrete covers:

- Lightweight for easy and safe manual removal
- Load ratings from A15 to F900 (BS EN 124)
- Chemically inert and corrosion resistant
- Anti-slip/skid properties

Highly Effective in Preventing Heavy Lifting

Fibrelite's trench covers have proved highly effective in reducing health and safety issues and potential damage to essential pipework.

Benefits of Fitting a Fibrelite

- Customised solutions
- A fit and forget product that will not corrode or fade
- Improved productivity for both operational and maintenance crews
- Improved health and safety practices
- Technical support

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