

# Major UK Port

Fibrelite Covers Provide Heavy-Duty Lightweight Solution for Major UK Port



Ports are very busy areas, where safety and efficiency are key. Image Roger Geach

## Project Overview

Ports are very busy areas, where safety and efficiency are key. There are constantly ships, trucks, cranes and many more moving around with heavy loads. Underground essential service supplies must be safely and quickly accessed. The access covers must be able to withstand extremely heavy load and stand up to the harsh corrosive environment of the port

## Problem

As part of their renovation, a new crane was installed to load containers on and off ships. The supply cables to the crane were housed in a new underground enclosure, and needed to be regularly accessed manually for maintenance and repair procedures. The enclosure was to be set in an area of the port expecting loads of up to 60 tonnes.

## Solution

Fibrelite's technical team designed and manufactured trench covers to the specific dimensions and load ratings required, working from plans of the finished pit. The covers were then slotted straight into the top of the supplied frame.



Underground pit to house crane supply lines

## Results

Fibrelite's highly engineered composite trench covers have an inherent resistance to corrosion, meaning that they will stand up to the everyday stresses of saltwater and fuel, year after year.

The covers were manufactured at E600 load rating (load tested to BS EN 124) to withstand specified loads of up to 60 tonnes. The high strength to weight ratio of the covers means that they can be manually removed by 2 people using the Fibrelite supplied lifting handles.



Bespoke Fibrelite covers made to fit underground enclosure



Underground enclosure fitted with E600 rated Fibrelite covers

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

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