CASE STUDY:

Oliwskie Quay, Port of Gdańsk, Poland

Fibrelite Custom Designs & Manufactures Lightweight E600 Composite Covers for Port of Gdańsk Quay Extension

To cope with higher demand and increasingly larger container ships, the Port of Gdańsk invested in the extension and modernisation of the Oliwskie Quay, with a total length of extension and modernisation of 1,200 meters.

The works carried out at the port involved the deepening and strengthening of the bottom of the port and reconstruction of the onshore part of the quay along with the entire infrastructure and utilities (sanitary, electricity, telecommunication networks, railway).

As part of this development, a lightweight heavy-duty access covering solution was required to protect and provide access to below ground utilities. Following the installation of Fibrelite covers previously at Container Terminal DCT Gdańsk, Fibrelite's Polish distributor Corrimex was the first port of call.



Port of Gdańsk has invested in the extension and modernisation of the Oliwskie Quay with a total length of extension of 1,200 meters



Fibrelite covers were custom designed and manufactured to fit directly into existing apertures, minimising installation time

Key Requirements

- Trench covers had to be very durable to withstand the highly demanding environment.
- Covers needed to be able to withstand heavy duty equipment (up to E600/60-tonne) and the atmosphere of Poland's largest port.
- Covers also had to reduce any potential manual handling issues when quick access was required to the electrical cables, water chambers, and drainage beneath.

FIBRELITE
PART OF OPW a DOVER company

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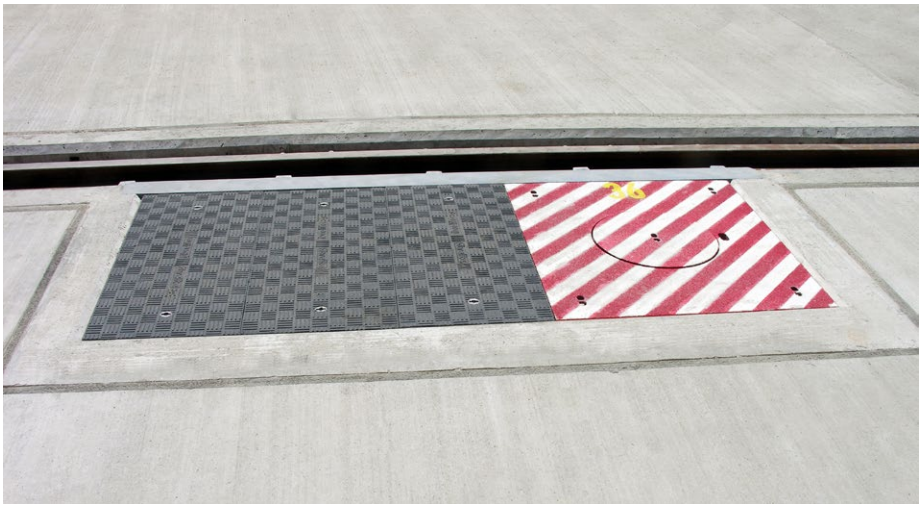
Designed as a fit and forget product, all Fibrelite GRP composite covers are maintenance free corrosion-resistant and ultra-durable



The specified Fibrelite heavy-duty trench covers have a E600 (60-tonne) load rating designed for ports applications

The Fibrelite Solution

- Fibrelite, together with their Polish distributor Corrimex designed and manufactured bespoke GRP composite trench covers to fit directly into the pits that had been designed and made on site, making installation quick and easy, and minimising disruption to the ongoing construction.
- All Fibrelite trench covers can be safely removed and replaced by two people using the FL7 lifting handles due to their high strength-to-weight ratio.
- The heavy duty, corrosion-resistant trench covers can now be removed and replaced quickly and safely, minimising disruption.
- Fibrelite covers provide a walking and driving surface which, even when wet, has anti-slip/skid properties far exceeding health and safety advisory limits.
- The specified Fibrelite heavy-duty trench covers have a E600 (60-tonne) load rating enabling them to withstand heavy loads whilst still being able to outperform concrete on a long-term basis.
- Designed as a fit and forget product, all Fibrelite GRP composite covers are maintenance free corrosion-resistant and ultra-durable.
- Fibrelite designed, manufactured, and delivered the covers within the specified build schedule.



All Fibrelite trench covers can be safely removed and replaced by two people using the FL7 lifting handles due to their high strength-to-weight ratio

"As of today, I can say that the covers have met the expectations in terms of ease of installation and lightness of use. The lightweight [property] of the covers and the ease of carrying them with the use of special handles make the work of fitters and operators much easier. I would definitely use composite covers offered by Fibrelite & Corrimex on other construction sites and projects, because it is a very convenient solution."

Katarzyna Voicu,
Sanitary Works Manager