



James House in York required a strong, lightweight long-term solution to cover their PCC troughs

Project Overview

A third-party construction firm reached out to Fibrelite regarding a project at James House in York, where they required a replacement for previously installed GRP grating, identified as unfit for the site's requirements.



Previously installed GRP grating was unsuitable for sustained loading



Previously installed GRP grating was originally supplied together with the precast concrete troughs



The client required a higher performance replacement

Problem

The previously installed GRP grating onsite was originally supplied as a complete package by a PCC trough supplier, together with their precast concrete trough units, but after installation it had become apparent that the grating was unfit for the demands of this site.

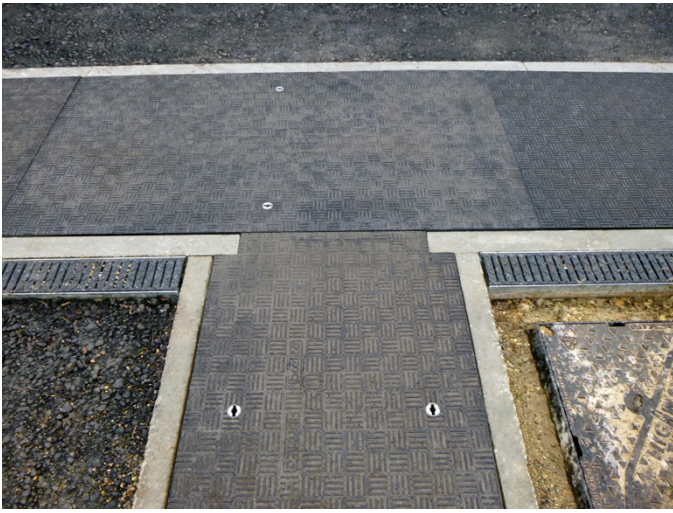
Key issues:

- Grating was unsuitable for sustained loading
- Vehicular access had to be restricted, having an adverse effect on site operations

The customer required a high-performance replacement which could be delivered and made operational as quickly as possible.



Fibrelite covers were manufactured at load ratings appropriate to their location



Fibrelite trench covers were retrofitted into existing precast concrete trenches



Vehicles operating onsite can now traverse the covers



Fibrelite covers have the best strength to weight ratio on the market



Installing Fibrelite covers helped the site gain the necessary H&S certification

Solution

Fibrelite designed and engineered bespoke trench access covers to fit directly into the existing trenches. Covers were supplied in load ratings of D400 and A15, as appropriate to their location. The D400 load rated covers were stepped from 101.6mm deep to 50mm deep in order to accommodate both the existing rebate and required D400 load rating.

Key features of Fibrelite covers for this project:

- Strength-to-weight ratio. All trench covers can be safely removed manually while strong enough to withstand sustained loading
- Load rating tested; BSI approved
- Anti-slip/skid tread pattern
- Corrosion-resistant: unaffected by water, underground gasses and most chemicals



All Fibrelite covers have an anti-slip/skid tread pattern

Results

James House gained the required health and safety certification and has a maintenance-free safe trench covering solution which will continue to perform for years to come.

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

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