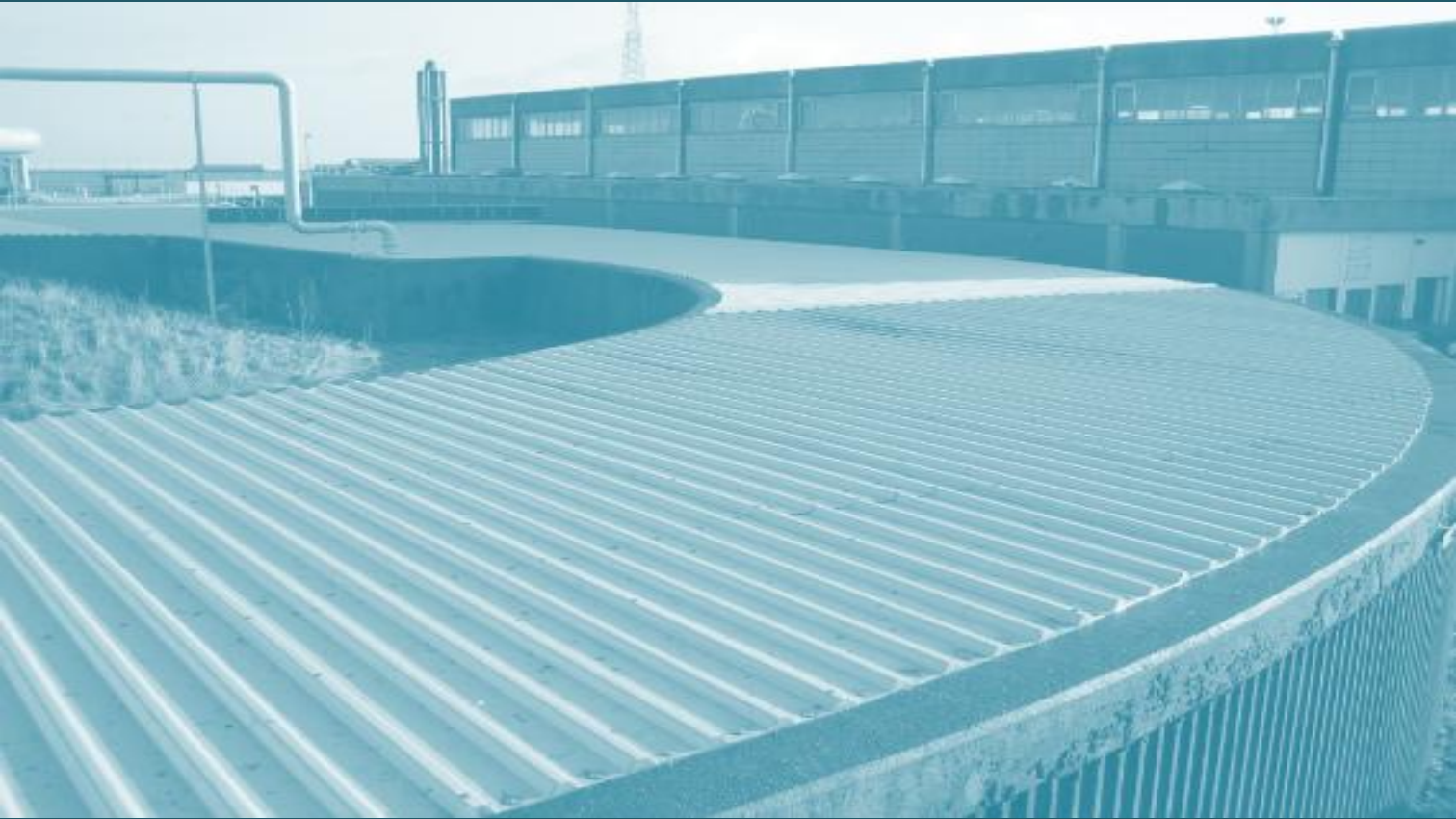


Captrad Ltd



grp covers



Captrad Ltd

Was established in 1999 based in Wigan in the North of England. Originally Captrad Ltd supplied Industrial Chemicals into various industries across the UK., our business evolved with time and we have now ended up supplying a wide range of Composite Products across the world.

As a result Captrad Ltd has tried to bring the whole composite solution under one umbrella. Thus we now have customers from a variety of industries from: Rail, Offshore, Constructions, Civils and Water Industry, all being able to purchase quality products from one place ensuring continuity of service.

We have been able to set up a network of satellite offices around the world to help improve and maintain customer services

GRP Covers

Type of Supports

- Structural GRP Profiles
- Stainless steel fasteners
- Stainless steel fittings

Type of Covers

- Odour Covers
- Dirt Covers
- Machine Covers

Advantages

Light weight (50% less) reduces installation – both in labour and equipment required!

Light weight (50% less) reduces overall weight of structures!

Resistant to almost all chemical environments!

As good in hot, humid conditions or Arctic conditions!

Outperform any metal cover; both in durability and installed costs!

Main Design Specifications

EN ISO 1991-1-1:2002

WIMES

British Water – Code of Practice 22.96





GRP Covers

Areas to Cover – Sewage Treatment

- Inlet Channels
- Detritors
- Screen Area
- PST's
- Sludge Tanks
- Outlet Channels
- Wet Wells
- Pumping Stations
- De-sludge chambers
- Screw Pumps

Areas to Cover – Clean Water Treatment

- Inlet Channels
- Screen Area
- Lamellas
- Settling Tanks
- Outlet Channels



GRP Covers – Design Principles

- Design Process
- Project Specification
- CDM Requirements
- In house conceptual design
- External design validation by qualified GRP structural engineers
- In house manufacturing /installation drawings
- Design Integration
 - Ensure integration with rest of Installation

GRP Covers – Design Principles Calculations

- General Load conditions
- Fully Walk on = UDL of up to 5 kN/m
- Wind & Snow = Typical UDL of 0.75 kN/m
- Deflection
- GRP Supports = $L/200$
- Covers =
 - Walk On = $L/200$
 - Non-Walk-on = $L/100$
- Specifications
- British /European Standards
- Water Authorities

Before



After



Before



After



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