

# Captrad

composites





Captrad Ltd produces a wide range of GRP/Fiberglass products:

|                                   |                              |
|-----------------------------------|------------------------------|
| GRP Cabinets/Kiosks               | GRP Access Ladders           |
| GRP Cable Trays/Cable Ladders     | GRP Platforms                |
| GRP Cladding Panels               | GRP Walkways                 |
| GRP Construction Products         | GRP Structural Profiles      |
| GRP Enclosures                    | GRP Moulded Products         |
| GRP Grating – Moulded & Pultruded | GRP Non Slip Products        |
| GRP Hand Rails                    | GRP Tanks                    |
| GRP Stair Treads                  | GRP Sheets – Solid & Glazing |



## GRP Cabinets



Captrad produce a wide range of GRP Cabinets, GRP Kiosks and GRP Enclosures – we supply a wide variety of industries, (water, power and gas), construction, petro-chemical and fire sectors throughout the U.K and N. Ireland.

Recognising that in today's age we are constantly faced with increasingly tight dead lines and first class quality, we are able to offer complete turnkey packages with regards to Design and Build of enclosures and cabinets to your requirement.

### Services Offered

Sizes:- No matter what size your project is, we can supply to your needs. We have a standard range of moulded cabinets along with a moulded modular cabinets range. We can also offer a totally bespoke service; we can therefore accommodate any size, configuration and shape of cabinet enclosure such as a small metering cabinet to a larger GRP kiosks and bespoke enclosures.





## GRP Kiosk & Enclosures



Our textured GRP Enclosures can be produced with a variety of finishes, brick effect, stone effect or solid colour grp kiosks and cabinets are made to customer size and requirements. We can also offer two roof styles - flat or in slate affect.

- Custom sized kiosks
- Custom sized cabinets
- Multiple colour options
- Textured cabinets & kiosks
- Brick effect cabinets & kiosks
- Stone effect cabinets & kiosks
- Woodgrain effect cabinets & kiosks
- Aesthetic design
- Blends into their surroundings
- Long lasting
- Easy maintenance

All our GRP Kiosks can be produced to any standard required. We can also offer various options such as electrics, heating, air-conditioning units all of which come with certification. Overall Captrad has the expertise to cover any situation



## GRP Cable Trays & GRP Ladders

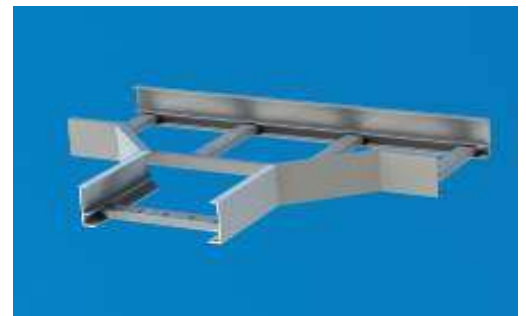
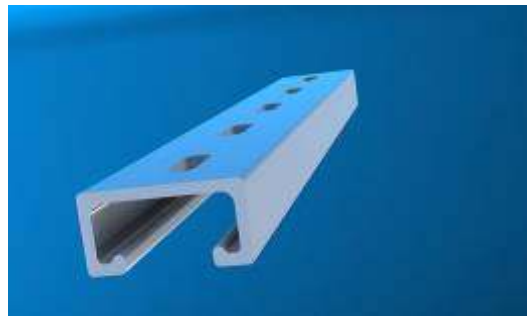


Captrad Cable Trays have been design and manufactured with the user in mind, whilst offering excellent performance ease of use. Our Cable Trays can be supplied in a variety of sizes along with a comprehensive array of fittings to cater for any project large or small.

Captrad Cable Trays can be supplied either as the tray or with the uniquely designed 'Click-fit-Lid'. All our trays are produced in 3mtr lengths and can easily be fabricated on/off site.

### Advantages

- Corrosion Resistant
- Strong & Lightweight
- Non-Conductive
- Impact Resistant
- Click Fit Lid System
- Easy to fabricate
- Dimension Stability
- UV Stability
- Excellent Working Temperatures



## GRP Construction Products



GRP Construction products has fast become the preferred source for architectural mouldings such as (Dormers & Canopies, GRP Buildings etc). All composite products can be manufactured in either general purpose, class 3 rating or class 0 fire retardant of BS476. A variety of surface texture can be manufactured and an unlimited colour range available.

Whether it's manufacturing a one off product or producing a production line item such as dormer windows – grp is an excellent product to work with and can adapt to any given project

- GRP Dormers
- GRP Cills
- Architectural Mouldings
- Canopies
- Fascias
- Brick Work
- Domes
- Roofs
- Coffers
- Copings
- Bridges
- Cladding





## GRP Cladding Panels/Flat Sheets



Captrad's Composite sandwich panels are manufactured by press bonding GRP onto a range of core materials to produce an attractive, yet functional, cladding / infill solution for a wide variety of new build and refurbishment applications.

Panels are tailor made to suit individual customer requirements, and combinations of thickness, colour and surface texture can be incorporated to provide a wide choice of design configurations.



## GRP Grating

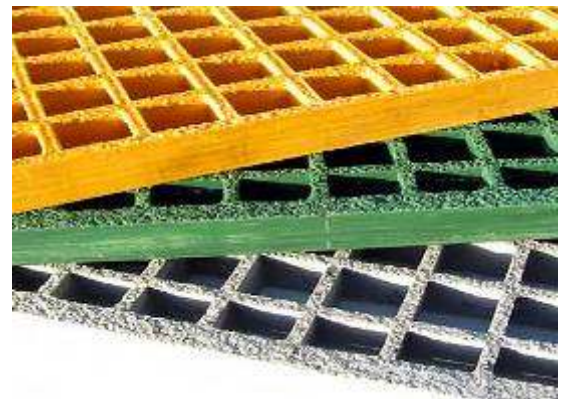
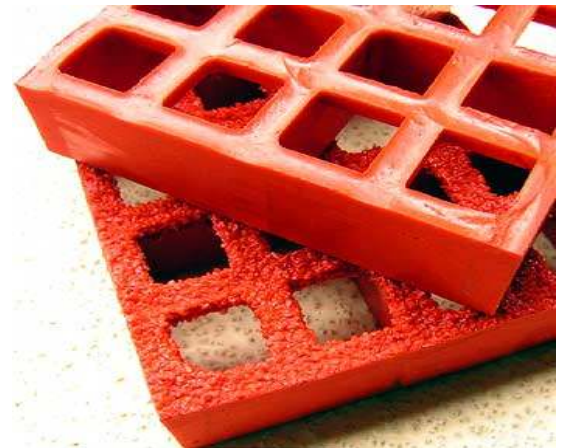


Captrad grp grating produce both moulded grp grating and pultruded grp grating which provide an efficient and cost effective solution for all flooring, walkways and decking areas requiring long term performance in very aggressive and corrosive/chemical environments. Manufactured from glass reinforced thermoset resins, Captrad's grp grating is an excellent choice to replace conventional steel and aluminium flooring systems in such aggressive/hazardous environments.

Captrad's grp grating has a density one-quarter that of steel and two-thirds that of aluminium which considerably simplifies installation and handling. Unlike metallic grating, grp moulded/pultruded grating panels can be easily cut on site using only hand tools. The ease of handling makes it the ideal grating to install in difficult to access areas. Load bearing bars in both directions of the panel allow for use without continuous side support.

All our GRP Grating works very well with the Structural GRP products we supply

GRP Grating Panel Sizes: 1220 x 3660, 910 x 3050, 1007 x 2007  
Thicknesses: 14mm, 25mm, 38mm, 50mm





## GRP Access Ladders



GRP Ladders are designed to provide permanent access with safety even in the most difficult environmental conditions. It offers a direct replacement/alternative to conventional metal ladders at economical pricing. Fiberglass Ladders are fabricated using primarily our standard range of structural profiles.

Main advantages for using these grp ladders:

- Ease of installation due to light weight material
- Very little if any maintenance
- Price competitive with most materials
- Designed and tested to BS/European standards

Captrad's range consists of two primary types of grp ladders:

- Man Hole Access Ladders
- External Access Ladders



## GRP Handrails & Platforms



GRP Handrails and platforms have been developed to meet certain Building Regulation requirements as well as offering a unique, extremely strong grp handrail systems.





## GRP Structural Profiles



GRP Pultrusions are composite structures which are used in a wide range of applications, offering excellent chemical resistance, high strength and thermal values.

Captrad composite structures include GRP Angle, GRP Box Section, GRP channel, I-Beam, Wide flange beam, GRP Tube, GRP Rods, Flat Bars and others etc. These pultrusions are used in a wide range of applications, offering a unique combination of chemical resistance, size stability, high strength, and thermal, electric non conductivity. Each composite structure shape is available in a number of dimensions to suit for a variety of design and application requirements. For special uses, custom shapes are also available.

Captrad Ltd supplies from stock an extensive range of glass fibre reinforced structural profiles all extruded profiles are manufactured to the same high quality.

Captrad's composite structures are made from glass reinforced isophthalic polyester resin with a polyester surface veil. This combination gives excellent corrosion resistance and weather ability at an economic cost.

Composite structures made from these profiles are substantially lower in cost than stainless steel and cost competitive with hot dipped galvanised mild steel.

Extruded Profiles in other resin systems are available to order.

The standard BS EN 13706 - Specification for pultruded profiles, defines two performance grades. Our structural profiles ( $t > 5\text{mm}$ ) can meet the higher performance E23 grade.

Our grp extruded profiles meet the requirement of the Drinking Water Inspectorate for use in potable water.

All of the pultrusions are available in variety of resins depending upon the application:

Polyester is suitable for most industrial applications.

Vinylester affords improved corrosion resistance and physical properties.

Epoxy offers superior thermal stability and corrosion resistance.

Modar improves fire performance and smoke emissions.

Phenolic maximises fire performance and is offered as an alternative to Modar



## GRP Non Slip Products – Stair Treads



Non-slip products are produced from GRP such as - GRP stair treads and GRP gritted sheets. These can be used in a multitude of applications - offshore, rail and underground installations. The benefits of using GRP is that it is very adaptable and can be manufactured in a variety of non-slip surfaces which will lend itself to any environment whether it's stair treads, gangways or platforms. These GRP non-slip products are currently being used by the construction, rail, offshore and marine industries with great results. Captrad also produces DDA ramps with non-slip finishes and Tactile sheets are used where pedestrian traffic is evident.

## GRP Infill Panels



Captrad GRP Flat Sheets can be used in a wide range of applications from the Construction Industry, infill panels, balcony cladding, school cladding to fascia panels.

GRP panels are immensely strong and durable (will not dent, rust or corrode) whilst maintaining an attractive appearance, and can be produced to incorporate the following features:

- |                             |                          |
|-----------------------------|--------------------------|
| Any BS or RAL Colour        | Manufactured to any Size |
| Impact Resistant GRP Sheets | Any Thickness            |
| Low Maintenance Panels      | Graffiti Resistant       |
| Colour Match Service        | U.V Resistant            |



### Surface Textures:

All our grp sheets can be manufactured with a variety or combination of surface finishes. The inclusion of our unique surface protection membrane can significantly enhance the quality, appearance and lifespan of our grp panels by providing a high level of UV and graffiti resistance.



## GRP Glazing Panels



Our GRP Glazing products are among the toughest glazing panels available. They are manufactured using high quality resins and fibreglass making the panels virtually indestructible, with a high resistance to impact, shock and manual attack.

### Features:

- Vandal Resistant
- Graffiti Resistant
- Shatter Proof
- Translucent
- UV Protection
- Various Finishes
- High Flexural/Tensile Strength
- Fire Resistant (Optional)
- Manufactured to any size





## GRP Tanks



Captrad offer a wide range of GRP/Fiberglass Tanks to the construction industry for above and below ground installations to hold or filter many types of liquids to prevent the contamination of the water course.

Our products are manufactured in Fibreglass to give our customers the product they require at the right price including GRP Septic Tanks, GRP Treatment Plants, GRP Cesspools, Separators, Storage Tanks and many more.

### GRP Septic Tanks

A grp septic tank partially treats effluent and is the simplest and most economic solution for sewage disposal where mains drainage is not possible.

It consists of a 2 or 3 chamber system which holds sewage solids long enough to allow the solids to form into sludge at the bottom of the tank. It then partially breaks down through anaerobic digestion and the remaining liquid passes through the outlet pipe to a soak away.



Captrad can supply both fiberglass spherical (2800ltr - 6000ltr) and cylindrical (2800ltr - 54000ltr) GRP Septic Tanks. GRP tanks can used whether it's a domestic dwelling, caravan site or even a leisure park.

The cylindrical septic tank allows reduced depth excavation in comparison with the spherical septic tank, therefore reducing excavation costs. The cylindrical septic tanks are also used where there is a high water table or difficult ground conditions.

## Clients

**Balfour Beatty**



JCDecaux



Rolls-Royce



**BAE SYSTEMS**



**broxap** street scene street furniture

**Dräger**

