

GRP Troughs & Lids

**Robust &
Strong**

**Lightweight/
Easy to
Transport**

**Reduction in
Installation Time**

Captrad's GRP Cable Troughs are produced bespoke to customer specification. The GRP Moulded Trough is reinforced with additional structural profiles, this design and weight savings offer massive advantages of traditional concrete products. GRP Troughs can offer in the region of 80-90% in weight saving, thus in return this allows more troughs to be transported and allows a quicker installation making the overall cost of the product far more beneficial. These traits of GRP troughs also have less of an impact on the environment in relation to transportation and personnel.

Benefits of GRP Trough and GRP Grating

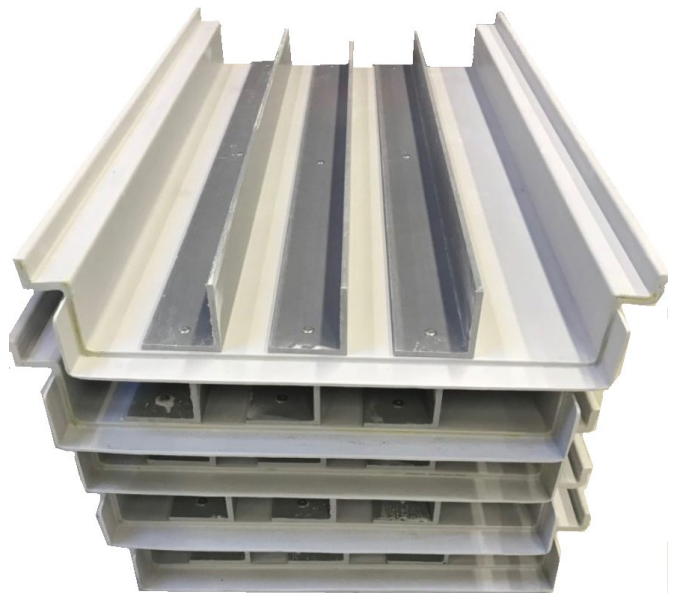
- Lightweight**
- Easy to manoeuvre**
- Cheaper Transport Costs**
- Reduction in Installation / Labour Costs**
- Safer for Personnel to use – Less Work Claims**
- Maintenance Free**
- Easy to Fabricate On-Site if required**





GRP Troughs & Lids

Captrad are able to produce a range of Moulded GRP troughs in various sizes to cater for any project. We also offer Bends, Risers and T-Junctions to aid with the schematic's of the cables, as we can mould bespoke solutions we can virtually cater for any project. With the use of GRP Structural shapes we can divide the troughs if necessary to create compartments for various uses.



Uses of GRP Troughs

- Wind Farms
- Substations
- Power Stations
- Production Plants
- Waste Water Treatment Plants
- Water Industry
- Commercial Sites

GRP SOLID TOP GRATING FOR GRP TROUGHS

Solid Top Grating is anti slip, lightweight, strong and durable making it the ideal choice for a wide variety of applications and environments. Our Solid Top Grating is considerably lighter than concrete and allows for significant savings on installation time, transport costs and labour. Our Solid Top Grating has exceptional breaking strength under lateral force. The uni-directional continuous GRP reinforcement offers numerous advantages including rigidity, shock resistance and no permanent deformation after overloading.

These factors provide excellent mechanical strength and safety in marine and industrial environments. Also, our GRP Covered Top Grating is a useful alternative to our standard grating as there are no gaps for items to fall through.



CAPTRAD COMPOSITES

Technical Data

Description:	Slip resistant covered top flooring system
Top finish:	Covered top
Stock colours:	Grey (any RAL or BS colour subject to extended lead time)
Thickness:	25mm, 41mm and 54mm
Panel sizes:	3660mm x 1220mm
Chemical resistance:	Made from Iso resin as standard.
Tolerances (including cut):	+/- 6mm width, length and diagonal
Depth tolerances:	+/- 1.5mm
Service temperatures:	-50 to 105°C
Design life:	20+ years (subject to traffic analysis)
General use:	Standard pedestrian traffic

Slip Resistance Values

Measured using the Pendulum test method (WF rubber slider)
- certificate available on request.

The UK Slip Resistance Group guide to slip resistance of a floor for able bodied pedestrians:

Top Surface	Dry Reading	Wet Reading
Covered top	72	67

Four S Pendulum Value	Potential for Slip
Above 65	Extremely Low
35 to 65	Low
25 to 35	Moderate
25 and Below	High

To ensure that the above slip resistance levels are maintained; the panels should be kept clean in accordance with the cleaning guidelines below.

Thickness	Panel Size	Mesh Size	Weight
28mm	1220x3660	38mm	16.5kg/m ²
41mm	1220x3660	38mm	22kg/m ²
53mm	1220x3660	50mm	25kg/m ²