



DECCA GRP HOUSINGS



GENERAL DESIGN SPECIFICATION

British Standard GRP Housings



GRP Water Tank Specialists

Victoria Mill, Lincoln Street, Preston, Lancashire, PR1 6RE, United Kingdom
Tel: 0044 1772 825757 | Fax: 0044 1772 204967 | Email: info@deccatanks.co.uk
Web: www.deccatanks.co.uk





Why choose DECCAtanks and our Glass Reinforce Plastic (GRP) Housings?

DECCAtanks provides the complete service from designing and manufacturing to delivering and installing your GRP Housings. With over 37 years experience in GRP we are the best in the business when it comes to advising you with your GRP Housing and Storage options.

We design and manufacture all our GRP Enclosures to be strong and efficient at a very competitive price.

Our GRP Housings are available in any size or colour, and can be made to meet your exact requirements. We can modify our designs to meet your specific needs. Our GRP Housings are all-purpose and can be used for multiple reasons; Water Tank Plantroom, Site Offices, Outdoor Storage, Caravan site approved Storage unit, Pump-set Housings, Electrical Meter Boxes, Gas Kiosks, Cabinets, and/or Substations.

Our smaller GRP Enclosures are often delivered to site in one-piece format. However, our larger housings are sometimes delivered in two-piece or sectional format. This is dependent on site restrictions and access. If you require a GRP housing that is in two-piece or sectional format we offer a site installation service using our own engineers and technicians. Unlike many other companies that use subcontractors. This helps enormously when it comes to co-ordinating delivery and installations. Our site service team will work with you to ensure a smooth and effective delivery and installation is carried out. We understand that your deadlines are important!

Further Details on GRP Housings can be found on the Design Specification.



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GENERAL DESIGN SPECIFICATION – DECCA ENCLOSURES & GRP HOUSINGS

1.0 Construction & Materials

All our GRP Housings and enclosures are constructed in GRP using 12mm WBP Plywood including a Fire Barrier all over, walls and roof, to give each unit an UValue of 1.5w/m²/oC. The wall thickness is approximate 25-30mm which provides substantial Ingress Protection.

2.0 Fire Resistance

Standard wall constructions are designed to exceed either a 30 minute or 60 minute fire rating. Different Resins are used to provide different ratings.

3.0 Bracings

All tank(s) shall where indicated have an internal bracing system. All internal components shall be galvanised BZP.

4.0 Fixings

All fixings shall be galvanised.

5.0 Sealant

All joints & bolts shall be sealed with WRc & WRAS approved materials.

6.0 Ventilation

300mm aluminium louvre vents are provided, and positioned accordingly to client's requirements and/or specifications.

7.0 Base Support

Housings are to be positioned on a flat concrete base and levelled. Level of footing to be maintained within 3mm measured diagonally with an allowable slope within 1/500th of entire span. The foundation details below ground and any reinforcement details shall be approved by client/consultant/civil contractor depending on soil and site conditions.

8.0 Roof

All GRP Housings are designed with a fixed roof that is sealed and suitably supported. The roof has a slight gradient which is designed to deflect water away from the doors or main access area.

9.0 Doors

We can provide either double doors or single doors. Lockable or non-lockable. Fire-rated Doors or standard doors. Doors are manufactured to the same specification as the walls with additional anti-vandal protection where required. Fitted with galvanised hinges, door stays, and complete with a galvanised pad-bolt locking mechanism.

10.0 Hole Positions

Holes can be cut into your housing prior to dispatch. This will be agreed at the design stage. Our CAD department will issue drawings for approval. However, we can also arrange for holes to be cut on site via Site Services.



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11.0 Internal Electricals (optional)

On request new housing systems can be installed with electrical equipment. For example, we can install lighting and electrical switches to the recommended specification.

We can also provide heating components which are installed to your requirements and the relevant British standards and HSE regulations.

12.0 Delivery

Deliveries can be via a Flat-back Truck or by Hiab. If by Flat-back Truck, it is recommend that you have a forklift available on site for offloading and positioning onto GRP Housing base. This is usually for our smaller GRP housings. For our large Housings, we highly recommend that you use our Hiab delivery option. Please ask our sales representatives for further details.

13.0 Installations

The smaller GRP Housings do not require onsite installation. This is more in relation to our Two-piece and sectional housings. Installations are carried out by our own qualified engineers. We require a minimum of 500mm working access around the entire housing walls for installation and any future maintenance works. If this access is not available please contact our design team for options.

14.0 Working & Maintenance Access Requirements

There shall be a minimum working access of 500mm above the internal size of the housing. This allows good working practices for the insulation and for future maintenance purposes for the plant within the housing.

15.0 The Housings shall be manufactured at:

DECCA PLASTICS LTD

Victoria mill
Lincoln Street
Preston
Lancashire
United Kingdom
PR1 6RE
Tel. 00 44 1772 825757
Email: sales@deccatanks.co.uk



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Other pictures from recent projects:

One-piece Housing that have recently been dispatched to several projects around the UK:



Sectional Housing recently supplied and installed in Scotland:



Sectional Housing recently completed and delivered to a project near Newcastle:



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Feel free to ask us for more information and pictures on other projects.

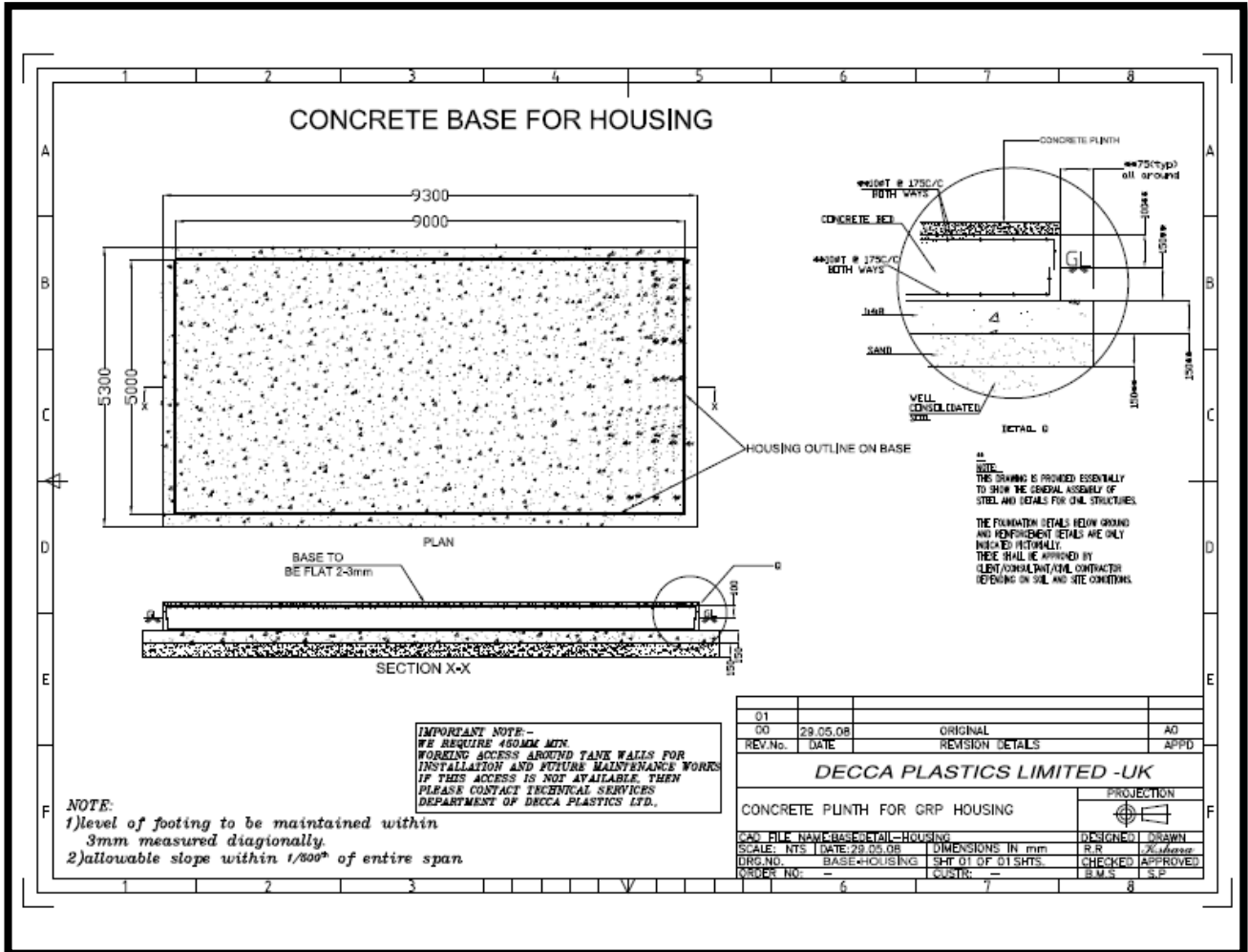


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Example Drawing of Base Detail



This is for a GRP Housing Size: Metres: 9.0x5.0x2.2 (LxWxH)



WE ALSO PROVIDE A FULL MAINTENANCE AND REPAIR SERVICE ON ALL OUR GRP HOUSINGS.



PLEASE CONTACT OUR AFTER-CARE DEPARTMENT FOR THIS SERVICE;

aftercare@deccatanks.co.uk

0044 1772 825757



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