

# Tanks, Vessels & Silos

GRP COMPOSITES



# FORBES



PLASTICS TANKS AND  
ENVIRONMENTAL TECHNOLOGIES

## Tanks, Vessels & Silos GRP COMPOSITES

- In a GRP single laminate composite the glass/resin structure is protected from chemical attack by a contact surface with resin rich corrosion barrier.
- A wide choice of resin systems permits specification of the laminate to suit the required duty.
- Automated manufacture provides low cost products
- The design, manufacture, installation and operation of GRP tanks are covered by the comprehensive standard BS 4994:1987
- Although light and easy to handle, the substantial strength achievable with GRP permits structures to be designed with integral steelwork such as ladders, handrailing, platforms and bridges.
- It is straightforward to include side access manways when building dual laminate GRP tanks.

### A QUALITY COMPANY

We are an independent privately owned business, soundly managed by a tightly knit team and with strong technical and financial bases. We are dedicated to supplying our customers with high quality products at competitive prices without jeopardising the well-being of our staff, the public at large, or the environment.

Forbes stands by its products – you will find our after sales service second to none.

We strive towards continual company improvement and aspire to provide standards of excellence, efficiency and service that make Forbes a comfortable organisation to deal with.



## BS4994:1987

### THE DESIGN AND CONSTRUCTION OF VESSELS AND TANKS IN GLASS REINFORCED PLASTICS

High quality production has always been vital for Forbes as so many of the company's products are dedicated to specialised and hazardous duties. For many years we have been producing tanks and pressure vessels to this demanding standard which describes various categories of production in great detail – even prescribing working conditions and the structure of fittings. Forbes is approved by leading inspection and insurance companies to manufacture to all categories of the standard.

**The broad compass and thoroughness of BS4994 make it an invaluable aid to those preparing risk assessments and safety plans.**

**BS4994 covers the design, manufacture, transport and installation of tanks and vessels in GRP (glassfibre reinforced plastic) materials. It is a very thorough and stringent standard. IT DOES NOT deal with any aspect of the manufacture of tanks in other materials such as metals or freestanding thermoplastics. For advice talk to Forbes on +44(0)1366 388941.**

**DVS 2205** There is still no universal standard for the design of thermoplastics tanks although a European (CEN) standard is in preparation. In the meantime some manufacturers have been drawn to this German standard. Critics have pointed out that some aspects of DVS 2205 are basic and that in several crucial areas it refers inappropriately to metal design codes. To help specifiers evaluate DVS 2205 against BS 4994 we have prepared some guidance notes, please ask our sales department for a complimentary copy. Please also ask for a copy of our leaflet 'Thermoplastics Tanks'.

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