



INTERNATIONAL BOATBUILDING TRAINING COLLEGE

— LOWESTOFT — EST 1975 —

www.ibtc.co.uk | 01502- 569663

IBTC Course Details

Glass Reinforced Plastics

4 1/2 Day Course

£790 inc VAT

An intensive 4.5 day course giving students the practical skills for lay-up work and repair and maintenance of GRP craft. This course forms an integral part of our full 47-week practical boatbuilding course and is also available to external candidates. In the practical element students will first learn to lay up a GRP bow section. After releasing this from the mould they will then cut holes into the sides simulating damage and learn to carry out two different types of repair.

The next stage is to lay up a small deck moulding which after trimming will be bonded to the bow section. The theory session covers release systems, gel coat, resins, catalysts and reinforcements, moulding techniques, identifying faults, health and safety procedures and much more. Bonding bulkheads to hulls is also covered.



On completion students will:

- i) Be able to mix materials correctly and to lay up correctly.
- ii) Be able to carry out basic GRP repairs.
- iii) Have an appropriate knowledge of the technical aspects of GRP construction.
- iv) Have a knowledge of the materials used in GRP construction.

Working safely with GRP.

- Correct use of tools, including brushes, rollers, trimming shears, files, surforms, hacksaws, rubber mallets, air tools, and grinding tools.
- Maintenance and cleaning of tools.
- Recognitions and selection of various weights of chopped strand mat, weaves, woven rovings, uni-directional mat, milled mat and pre-impregnated mat.
- Use of measuring and weighing equipment, for measurement of resin, catalyst, accelerators, and additives.
- Calculation of proportions to suit conditions.
- Mould preparation.

- Application of release systems.
- Application of gel coats
- Application of resin and glass different planes/ surfaces, (vertical, curved, fl angled)
- Releasing mouldings.
- Trimming mouldings by hand or air tool.
- Identifying common faults within GRP laminates.
- Rectifying or prevention of faults.
- Repairing damaged mouldings, working from either inside or outside of moulding.

Students attending this course will require protective overalls, dust mask complete with particulate and organic vapour filters, and ear defenders. Gloves and safety goggles are supplied.

This course is run at regular intervals throughout the year or can be arranged to suit for group bookings.

Feel free to take a look at all our other Long & Short courses on our website.

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