

# AIRFLOAT - MODULAR PONTOON SYSTEM

## INTRODUCTION

The AIRFLOAT Modular Pontoon System (AIRFLOAT MPS) consists of high strength and high buoyancy modules (blocks), 700mm square, that lock together using the integrally designed pin.



Together with an extensive range of accessories such as fendering and handrails, AIRFLOAT MPS can be used to create pontoons and floating jetties of limitless design and shape. AIRFLOAT MPS is highly versatile and the cost effective answer to a whole range of pontoon, mooring and related requirements.








The system is easy and quick to install, needing minimal expertise but will provide a temporary or permanent solution.

AIRFLOAT MPS is tried and tested and has been successfully utilised in numerous different applications in both the leisure and commercial marine sectors. Reusable, AIRFLOAT MPS is extremely tough, vandal resistant and virtually maintenance free.



## APPLICATIONS

The applications for AIRFLOAT are many and varied ranging from:

-  Floating Jetties
-  Rowing and Diving Pontoons
-  Transport and Working Platforms
-  Landing Stages
-  Floating Bridges
-  Breakwaters
-  Pollution Containment
-  Fish Farms
-  Leisure and Recreation Pontoons
-  Wharf Protection



## TRACK RECORD

Airfloat MPS has been successfully utilised in a wide range of applications in both the leisure and commercial marine sectors, with a large number of installations tried in Britain, Ireland, mainland Europe, Indonesia, Malaysia, Middle East, Hong Kong and South Korea.

## TECHNICAL SPECIFICATIONS

### Design

Both module and pin are individually manufactured by rotational moulding in one piece without welds or joins so that no weak points exist. The module underside is conical to give increased stability and prevent modules lifting from the water. The lugs, designed for maximum strength, provide the fixing points for the accessories such as fenders, handrails and mooring points.

### Material

Module and Connecting Pin manufactured from Linear Medium Molecular Density Polyethylene (MDPE) with narrow molecular weight distribution to give improved impact resistance. Containing UV inhibitors to protect from ultra violet radiation, AIRFLOAT MPS is rot proof, 100% recyclable, resistant to acids and hydrocarbons.

### Colour

The standard colour is green but AIRFLOAT can be manufactured in a wide range of other colours with black a popular choice.

### Dimensions

Basic module: 700mm x 700mm x 440mm high

Draft: 50mm unloaded

Freeboard: 390mm (to centre of module) unloaded

Weight: 15kgs per module

Buoyancy:

Single Tier - 360kgs per m<sup>2</sup>

Double Tier - 720kgs per m<sup>2</sup>

### Strength

Impact resistance: A 78kg weight repeatedly dropped from 3m heights onto the surface and side of a module caused virtually no damage.

Tensile strength of lugs: Along diagonal and horizontal axes, more than 3 tonnes per unit.

### Freeboard

To alter the level of floatation (essential, for example, for rowing pontoons) modules can

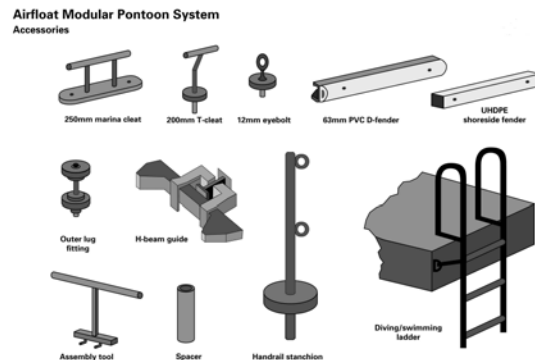
be ballasted by filling with water or sand to the graph below.



## ACCESSORIES

A comprehensive range of AIRFLOAT MPS accessories is available including:

- Floating jetties
- Handrail stanchions for rope, wire, pipe or chain
- Diving or access ladders and steps
- Anchoring pillars
- Mooring cleats
- 2m and 1m PVC fenders
- UHMW wall side fenders
- Pile and 'H' beam guides



Other special requirements can be manufactured to a client's individual specification.

## **FIXINGS**

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All metal fixings are manufactured from either marine grade aluminium, 316 stainless steel or mild steel hot dip galvanised to BS 729. Fendering, unless otherwise specified, is made up from 65mm 'D' Section EPDM or PVC. Lug fittings are fabricated from extruded UHMD polyethylene with 316 SS bolts.

## **INSTALLATION**

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Recommended anchoring will depend on the site use and seabed conditions. Piles, concrete sinkers and anchors can all be used, the latter two usually by means of a catenary arrangement passing under the pontoon. Anchoring pillars are designed to attach anchors beneath the pontoon when maximum strength is required.



### **Contact Information**

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