



Poly Dynamics

Poly Dynamics

Supplier of Plastic Floats & Marine Solutions

MODULAR FLOATS



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Poly Dynamics is an exclusively Indian owned enterprise which was one of the first groups to introduce manufacturing of water floating systems into India on the name of Poly Dynamics.

This Pontoon cube is widely applied as floating docks, platforms for yachts, boats, motor-boats, ferry, floating bridge, swimming pool, show stages, floating wooden house as well as fish culture net cage. Our pontoon cubes are environmental friendly without any kind of pollution, easy assembling and disassembling modular system, stable and secure on the water surface, aesthetically beautiful with various colour combinations. According to the site conditions, our construction teams are capable to offer a total & professional solution suitable to meet customers' needs, including planning, conception, R&D, manufacturing & installation.

Environment Responsibility :

For our company the environment has always been a priority and by purchasing a *our* modular dock you choose an ecological solution. Our Floating docks are made of a high quality resin that is 100% recyclable and will not degrade in the environment. It is also resistant to a large number of chemicals.

The exceptional durability of our products make it an ideal choice because during its life span you would have bought 2-3 Aluminum steel or wooden docks. Aluminum requires a lot of energy for its production and wood is a resource that requires many years to regenerate and must be protected every year with highly polluting chemicals.

These factors don't even take into account the ever increasing number of docks that are destroyed and replaced every year by increasingly worse weather conditions. *Our modular* docks resist the most severe weather conditions in the world! Our docks have a low profile on the water and our colors blend easily into the environment.

Trunkey Projects :

P D is the company in the modular floating system business to offer you a turn key service for all your projects. *P D* can manufacture according to your requirements any accessories or equipments adapted to your specifications. The result is a turn key solution letting you deal with one supplier make you save time, money and effort. The risks of non-compatibility between our products and other equipments is therefore eliminated.

Furthermore, Our Company has qualified persons to help you with complete project supervision and has extensive experience in international mega size projects. The quality of our installations, products and service is recognized worldwide.

Choosing *Poly Dynamics* is choosing a successful and problem free project. Keep your stress level low.

SPEC

SIZE : WIDTH 500mm LENGTH 500mm HIGHT 400mm

WELGHT : 7.0KG/UNIT

LIFT POWER(LIVE LOAD) : 93KG / 372KB/m²

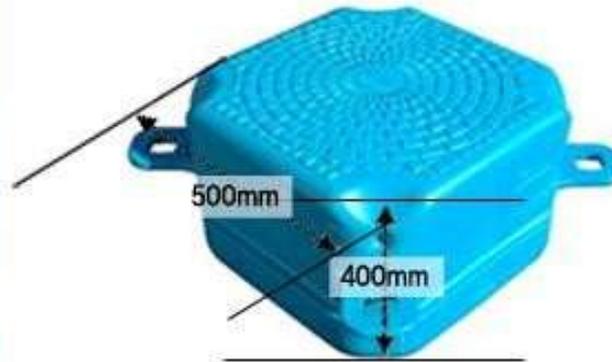
MATERIAL: HIGH DENSITY POLY-ETHYLEN (HDPE)

SURFACE AREA : 0.25m²

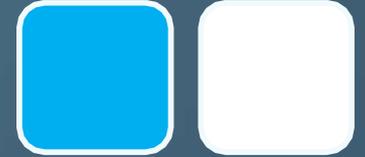
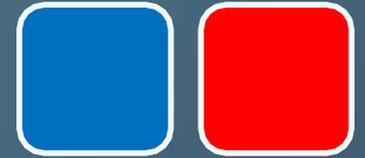
ELONGATION : OVER 1,600kg



SIZE

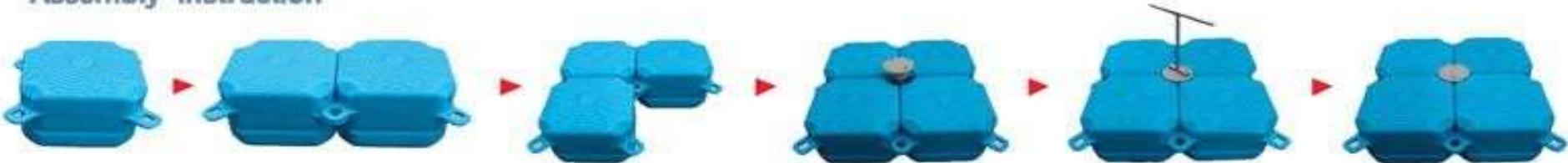


STD. COLOURS :



WE MAY OFFER
ANY COLOUR
FOR BULK
REQUIREMENT

Assembly instruction



Features :

- 1. Safety:** with patterns on the top surface, Modular Float System is free from the dangers caused by slippery surfaces, splinters and rusty nails usually found on wooden walkways. Also it has no sharp corners and is stable enough to walk on.
- 2. Versatility:** can be used widely in various fields.
- 3. Economy:** free maintenance and low upkeep.
- 4. Convenience/Simplicity of Construction:** can be easily quickly installed and dismantled.
- 5. Colour:** with colours of blue, black, gray, and orange etc
- 6. Durability:** resistant to UV rays, frost, seawater, corrosion, chemicals, and oil.
- 7. Changeability /Resolvability:** one connecting pin holds four modules together-permitting the assembly of any size and any configuration on the water and the assembly can be changed to meet the requirements.
- 8. Recycle:** HDPE Material, 100% recyclable, environmentally friendly.
- 9. Strength:** Screw each float's tensile strength is over 2000kg approved by the official authorities, test speed is 50mm/min.

Load Capacity of Floats

Monolayer

Height of monolayer is 40cm, each one square meter is made up of four pontoons, top load is 325kgs.

Draft without load: 2.5-3cm;

Draft with load of 150kgs: 15-20cm(safe);

Draft with load of 300kgs:35-40cm(load limit)

Dual-layer

Height of dual-layer is 80cm, each one square meter is made up of eight pontoons, top load is 650kgs.

Draft without load: 3-5cm;

Draft with load of 300kgs: 40-50cm(safe);

Draft with load of 600kgs:70-80cm(load limit)

Index of Anti Wind Wave:

- 1.The wave on water surface between 2-class and 3-class belongs to safe applicable range.
- 2.The wave on water surface between 3-class and 6-class can be applicable; however, the safety protection must be reinforced.
- 3.The wave on water surface between 6-class and 9-class is the restricted applicable range (it is suggested that the shipping shall not be parked and the visitors shall not be in or out).

Attention: to avoid shaking of the dock, the area of internal lake's dock is not less than 30 square meter; the area of stage is not less than 100 square meter.

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FLOAT



LOCK PIN



CLIT



NUT & BOLT



V - FLOAT



LONG PIN



LOCK SPANNER



LONG BOLT



DUAL FLOAT



BOLLARD



SIDE RAILING



S.S. STAIR

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E
S



DUAL FLOAT



FENDER



NUT SPANNER



SOLAR LIGHT PIN



W. TOP FLOAT



BOLLARD



BELAYING PIN



TWIN BELAY PIN



ROLLER SYS.



HAND RAIL



SOLAR LIGHT



COTTAN ROPE

TESTING OF FLOATS





FLOATING PLATFORM



BOAT PARKING



FLOATING JETTY



HARBOUR STATION



FLOATING SWIMMING POOL



FISH FARM



FLOATING STAGES



RESCUE OPERATION



FLOATING PIPELINE



MARINE SENSOR



FISHING PLATFORM



PHOTOVOLIC PLATFORM



FLOATING RESTAURANT



FLOATING COTTAGES



AMUSEMENT PARK



WATER SPORTS

Project Management :

We can offer you to take a project from its basic idea and develop it with you until the end of the project.

We can assist you with the conception of the plans, the engineering, the transport, the installation... basically a complete project realization in a short time delay.

Vision :

Poly Dynamics is with a vision to fulfill the worldwide needs of floating projects, provide solutions for floating applications from residential to Commercial needs, dedicated to providing the perfect quality products and best quality of services and after sale service.

Our Floating System products is the best product for leisure activities, sports and engineering programs regarding on water activities. We hereby sincerely recommend it to you and believe confidently that you will be fully satisfied with its superior quality as well as its widely various usage.

You are very welcome to visit us and your valuable comments are highly appreciated.

**ADDRESS :**

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