

FLOATING PONTOONS CONCRETE

The concrete floaters of the series provide high displacement to these pontoons. They are equipped with decking and fenders made by rot proof hard wood.

CONCRETE 235 - TECHNICAL CHARACTERISTICS

CONCRETE	6,00x2,35 m	8,00x2,35 m	10,00x2, 35 m	12,00x2,35 m
length:	6,00 m	8,00 m	10,00 m	12,00 m
width:	2,35 m	2, 35 m	2, 35 m	2,35 m
displacement:	about 4.400 kg	about 4.700 kg	about 6.800 kg	about 7.100 kg
capacity:	about >250kg/m ²	about >250 kg/m ²	about >250 kg/m ²	about >250 kg/m ²
height out of water:	1,05 m	1,05 m	1,05 m	1,05 m
free board:	about 0,60 m	about 0,60 m	about 0,60 m	about 0,60 m
draft:	about 0,45 m	about 0,45 m	about 0,45 m	about 0,45 m
n.mooring eye-bolts:	4	4	4	4
n. floats:	2	2	3	3
transversal stability:	residual freeboard is >0,32 m under uniform live load of 1,5 kN/m ² (150 kg/m ²) applied to one-half pontoon width on the deck, such freeboard being far greater than 0,05 m as specified by AIPCN Recommendations for marinas design.			

The modules are made according to the AIPCN regulations for the pleasure harbours.

The steel frame consists of proper beams, heads and diagonal crosspieces of adequate section to fulfil the specific required working conditions. The protection from marine corrosion is assured by the hot dip zinc-plated process made in compliance with EN ISO 1461 standard.

The connection between two adjacent pontoons is provided by elastic joints made of 100 mm dia., 25 mm thick, 60 Shore hardness A +/-5 neoprene round plates, fixed to the frame by means of bolts.

The floatation is assured by 2 or 3 floaters having the core of self extinguishing expanded closed cell polystyrene, CE marking in compliance with the applicable European Directives and regulations , protected by fiber glass reinforced concrete, strength R45/50, connection to the frame by means of 20 mm dia. stainless steel fixing through-bolts cast into the floaters.



The modular elements are equipped with wood bumpers, 95x30 mm section, with round edges, the same tropical wood of the deck, fixed to the frame by means of stainless steel bolts.

Every module is equipped with mooring rings in hot moulded steel. The rings are hot dip zinc-plated and assembled to the frame by means of 2 M20 bolts, stainless steel cleats are also available.

The pontoons are equipped for water and power supply.

The deck consists of a series of panels made of tropical rotproof wood staves section approx 95x20 mm with round edges and anti-slip grooves.

The staves are supported by aluminium alloy profiles, equipped with nylon female screws. Fixation of the staves by means of stainless screws.

It is therefore very easy to inspect the services underneath.

