



INTER BOAT MARINAS

System Laguna



System Laguna is a modern sustainable floating modular pontoon system with a virtually maintenance-free seawater-resistant aluminum frame that is suitable for use in protected harbor locations and areas with harsh climatic conditions.

Walkways

Standard elements: main walkways are available in three standard widths.

Special elements are available on request. Standard element dimensions:

LW1: 10 x 2,42 meter - **LW2:** 12 x 1,92 meter, **LW3:** 12 x 1,55 meter.

Finger pontoons

Finger pontoons are available in multiples of 1 meter. The splay shape of the finger piers makes them very suitable for the 'stern on' mooring of boats. In addition, the finger pontoons can be easily located anywhere along the main walkway.

Dimensions:

LF4: 4 x 0,6 meter - **LF5:** 5 x 0,6 meter - **AF6:** 6 x 0,6 meter, **LF7:** 7 x 0,6 meter - **LF8:** 8 x 0,8 meter - **LF9:** 9 x 0,8 meter, **LF10:** 10 x 0,8 meter.



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**HISWA
REGRON**
TOP SUPPLIER





Technical information

Load

The standard useful vertical load for the buoyancy of the Atlantic system is:

- For the walkways: 150 kg/m² (between ducts);
- For the finger pontoons: 100 kg/m².

The load of the main walkway can be increased to 250 kg/m² (between the cable ducts) by adding additional buoyancy.

Corrosion

The Laguna system is particularly suitable for use in locations with highly corrosive conditions.

Cleats

The cleats are made of cast aluminum. The main walkway has a rail construction on both sides so that the cleats can be placed in any desired position. For this purpose, holes must be drilled through the wooden top rail on location. Finger pontoons are supplied with 4 cleats as standard. For finger pontoons from 6 meters, it is possible to place 2 extra cleats in the middle.

Construction

Each element is constructed from a welded aluminum frame, consisting of standard sections with specially manufactured longitudinal profiles that enable the connection of, among other things, finger piers and pile guides at any desired position. Aluminum type 6082 T6.

Decking

Composite decking boards with anti-slip profile, dimensions 139 mm wide x 21 mm high. Decking with wood, polymer or hot-dip galvanized grilles is also possible. All types of decking are fixed to our special designed aluminium spines.

Fenders

The main walkways are supplied without fendering as standard. Wooden or polymer fenders measuring 28 x 120 mm can be installed on request. The finger pontoons are fitted with wooden fenders as standard, dimensions 21 x 93 mm. Shock absorbing polymer fenders are fitted on the ends of the finger pontoons.

Connections

The walkways and the finger pontoons are connected with semi-flexible connections.

Floats

Standard the walkways are equipped with stainless steel reinforced concrete or rotomolded PE floats. In addition, walkways can be fitted with PE tube floats. The finger pontoons are fitted with polyethylene floats of the RF type. In addition they can also be fitted with PE tube floats.

Cable - service ducts

Main walkways are equipped with continuous space for cables and pipes below the decking (also at the location of the connections over the full height). Optionally, this space can be made accessible on one or both sides from above using anodized aluminum duct covers. These spaces can also be provided with a special PVC duct liner.

Mooring

The pontoons can be fixed in position by using piles through pile guides, quay guides or chain mooring.

Freeboard

The system has a standard unloaded freeboard of approximately 50 cm. This height can be adjusted as desired.

