



INTER BOAT MARINAS

System Laguna



The Laguna system is a modular aluminum pontoon solution. These modern pontoons are very durable and practically maintenance free. They are suitable for sheltered locations where there is a high risk of corrosion.

Walkways

The main walkways come in three standard sizes: **LW1**: 10 x 2.42 meter, **LW2**: 12 x 1.92 meter & **LW3**: 12 x 1.55 meter (alternative sizes are available on request).

Fingers

The fingers come in seven standard sizes: **LF4**: 4 x 0.6 meter, **LF5**: 5 x 0.6 meter, **LF6**: 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. The fingers can be easily located anywhere along the main walkway pontoons using a connection rail and the splay shape is particularly suitable for 'stern-on' mooring of power boats.



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Technical information

Loading

The standard stabilized vertical live load capacity for system Laguna is:

- Walkways: 150 kg/m² (between ducts);
- Fingers: 100 kg/m².

The load capacity of the walkways can be increased to 250 kg/m² (between ducts) with the addition of an extra concrete float.

Corrosion

The Laguna system is especially suitable for sites where there is a high risk of corrosive action.

Cleats

The mooring cleats are cast aluminum. The walkways have a connection rail along both sides allowing cleats to be fitted in any position. The rail is hidden by a timber top fender which needs to be site drilled once cleat positions are determined on site. LF4 to LF8 fingers have 4 cleats, LF9 to LF10 fingers have 6 cleats.

Structure

Each component has a welded aluminum frame structure, comprising standard sections and specially commissioned extrusions. The aluminum is type 6082 T6.

Decking

The pontoons are decked with profiled 21x145 mm Massaranduba hardwood which is fixed with stainless steel screws to hardwood spines. Other kinds of wood or synthetic decking can be supplied.

Fenders

Standard walkways are supplied without fenders. Hardwood fenders (28 x 120 mm) or white plastic fenders can be supplied on request. Standard fingers are supplied with hardwood fenders (21 x 93 mm). A grey PE-plastic fender is fitted at the ends of the fingers.

Connections

The walkway/walkway and the walkway/finger connections are made with semi-flexible rubber bolted joints.

Floats

The walkways are provided with DF type concrete floats manufactured under ISO 9001 and KOMO quality controlled conditions. The fingers are equipped with RF type polyethylene floats (see our Floats leaflet for full specification).

Service ducts

All walkways are supplied with continuous service ducts down both sides with a cross section of 90 x 175 mm. The duct covers come in 2 meter lengths and are made of anodized aluminum. This allows easy top entry to the service ducts. The service ducts can be fitted with an optional plastic liner.

Pile Guides

The pile guides are available in two standard sizes.

- **LPG1:** Piles up to 350 mm Diameter;
- **LPG2:** Piles between 350 mm and 508 mm Diameter.

Freeboard

The system has a standard minimum unladen freeboard of approx. 500 mm.