

PRODUCT DATA SHEET

FRP FRAME AND FLOAT WALKWAY AND FINGER STANDARD PONTOON SERIES



The Fibre Reinforced Polymer (FRP) Frame and Float Walkway and Finger Pontoon Series from Majestic Marine Engineering provides the highest possible standard and comfort. The frame and float pontoon design used in combination with walkways and fingers makes it extremely stable since the system has proved to be a very rigid system. The use of the best quality materials available, coupled with our ISO 14001:2004 management and quality control system (providing the highest quality controlled manufacturing process) ensures that the walkways and fingers enjoy a long life span. The pontoons are built to cope with the Middle Eastern climate and to withstand the extreme heat, UV and salinity conditions prevalent in the region. Pontoons can also be customised to suit other local climates and requirements, such as the low temperatures in Northern USA, Canada and Northern Europe amongst others.

FRP Frame and Float Pontoons can be used where there is a requirement for high quality and stability but at a more affordable price and is ideally suited to leisure marinas, fisherman marinas, jetties and other purpose made applications. The pontoons are decked with Wood Polymer Composite (WPC) decking. The decking materials are tested for weatherability in our QA/QC department prior to installation.

The frame and float pontoon are manufactured out of a timber frame which is entirely encapsulated with multiple layers of bi-axial fibreglass mat, woven rovin, resin and finished with a high gloss finished top gelcoat layer. The frames are then fitted with top quality Polyethylene Floats filled with EPS foam imported from the USA, hence they require minimal periodic maintenance to ensure the design life of 50 years is achieved.

The pontoons are connected using our patented connection system which uses rubber bushes and 316 stainless steel bolts and plates to connect each set of pontoons together. The standard pontoons are designed to withstand waves and or wakes of 60cm.

Each pontoon is designed to accommodate electrical and water utility services in ducts accessible from the top of the pontoons. Pontoons can be anchored with an elastic mooring or with a steel piled anchoring system according to the project, site and client requirements.

Type	MSW900.250.50 (Walkway)
Standard Length Options	9.0m Standard (6.0m to 15m also available)
Standard Width Options	2.5m Standard (3.0m to 3.6m widths also available)
Height	0.73m
Gross Weight / Displacement	20.0KN
Approx Freeboard (under dead load)	0.50m
Connectors (30mm diameter SS316 bolts with nuts and washers)	6
Connector breaking load	40 ton per joint
Design Live Load	3.00KN/m ² or 300kg/m ²
Standard Decking	Wood Polymer Composite Decking
Constructed with treated pine timber frame and encapsulated with multiple layers of bi-axial fibreglass mat, woven rovin, resin and finished with a top gelcoat layer. Polyethylene floats filled with styrofoam are connected to the frames to provide a long lasting superior quality pontoon	
Other dimensions can be offered upon request. Rights reserved for modifying sizes and specifications.	

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FRP FRAME AND FLOAT WALKWAY AND FINGER STANDARD PONTOON SERIES



Type	MSF900.150.50 (Finger)
Standard Length Options	9.0m Standard (8.0m to 20.0m also available)
Standard Width Options	1.5m Standard (1.2m, 1.5m, 1.7m, 2.0 and 2.5m widths also available)
Height	0.73m
Gross Weight / Displacement	20.0KN
Approx Freeboard (under dead load)	0.50m
Connectors (30mm diameter SS316 bolts with nuts and washers)	6
Connector breaking load	40 ton per joint
Design Live Load	3.00KN/m ² or 300kg/m ²
Standard Decking	Wood Polymer Composite Decking
Constructed with treated pine timber frame and encapsulated with multiple layers of bi-axial fibreglass mat, woven rovin, resin and finished with a top gelcoat layer. Polyethylene floats filled with styrofoam are connected to the frames to provide a long lasting superior quality pontoon	
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Photo of frame and float fibre reinforced polymer pontoons installed at Taweela Port Marina, Abu Dhabi, United Arab Emirates for Command of Military Works and Marfa Fisherman's Port, Abu Dhabi, United Arab Emirates for Abu Dhabi Ports Company

