



Certificate No. 01-015907/0112348

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

FLOATING PONTOON TYPE AL/PP/12-15PE/2.64, FOR BOAT MOORING

MANUFACTURER:

INGEMAR srl
Via Martin Luther King 50
31032 Casale Sul Sile (TV)
ITALY

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Rules for the classification of ships; CRS Technical Circular QC-T-191.

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: **2027-04-28**

Place and date: Split, 2023-04-28 Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Floating pontoon type AL/PP/12-15PE/2.64 is made of welded frame made of aluminum alloy profiles (EN-AW-6005A-T6, EN-AW 6060-T6, EN-AW 5754-H34). Flotation is achieved by means of 15 floating units with dimensions 2.16x0.655x0.508, made of a polyethylene cover (density 0.935 kg/m³) with expanded polystyrene core (density 16 kg/m³). The central part of the deck is made of polypropylene panels with removable aluminum channel cover on both side. pontoons are connected together by means of elastic joints made of rubber washers and stainless-steel bolts.

Pontoon dimensions:

length	12 m	breadth (concrete)	2.64 m
height	0.695 m	freeboard	0.6 m

- Significant wave height up to 0.5 m
- Mooring of crafts length up to 12 m

TYPE APPROVAL DOCUMENTATION:

Drawing "GENERAL ASSEMBLY – floating pontoon type AL/PP12-15PE/2.64" No.22374-1.

Drawing "SHOP DRAWING - floating pontoon type AL/PP12-15PE/2.64" No. 22373-1.

Aluminium pontoon type AL/PP/12-15PE/2.64, Calculation report, S0000 CR568, Rev 00, 12. 4. 2023.

Aluminium pontoon type AL/PP/12-15PE/2.64, Technical specification, S0000 TS568, Rev 00.

Test report- Aluminium pontoon type AL/PP/12-15PE/2.64, TR568, 2023.

MARKING OF PRODUCT:

The product shall be marked with name of manufacturer, type of pontoon and serial number.

CONDITIONS FOR CERTIFICATION:

None