



Certificate No. 01-013961/0110440

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 FE/IG/12R-3H/2.35 (FE/IG/8R-2H/2.35),
FOR BERTHS IN MARINAS**

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: **2024-02-09**

Place and date: Split, 2020-03-11

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 FE/IG/12R-3H/2.35 (FE/IG/8R-2H/2.35) structure is made of hot-dip galvanized transversal steel beams (EN 10025 S275 JR) which support 4 longitudinal aluminium beams (EN-AW 6060-T6). Pontoon has 3(2) floating units with dimensions 2.26x1.96x1.01 m made of expanded polystyrene covered with thin layer of reinforced concrete. Deck is made of tropical wood Yellow Ballau.

Pontoon dimensions FE/IG/12R-3H/2.35 (FE/IG/8R-2H/2.35):

length	12 (8) m	freeboard	0.75 m
breath (overall)	2.35 m	height	1.25 m

APPLICATION / LIMITATIONS:

- Significant wave height up to 0.5 m
- Mooring of crafts length up to 20 m

TYPE APPROVAL DOCUMENTATION:

Floating pontoon FE/IG/12R-3H/2.35, Standard Calculation Report No. 041.03 Rev.0
Floating pontoon FE/IG/12R-3H/2.35, Standard Technical Specification No. 041.03 Rev.0
Floating pontoon FE/IG/12R-3H/2.35, Test Report No. 041.03 Rev.0
Drawing "TELAIO DA mt. 12.00x2.28 ASSIEME COSTRUTTIVO" No. 1-0-S0000-Y-3045 Rev.C
Drawing "PONTILE GALLEGGIANTE IG/12R-3H" No. 1-3-D0000-Z-2937
Drawing " GIUNTO STANDARD PER PONTILI R " No. 1-3-S0000-Z-5796 Rev.0
Floating pontoon FE/IG/12R-3H/2.35, "ADDENDUM TO THE STANDARD CALCULATION REPORT" No. 041.03 Rev.0
Floating pontoon FE/IG/8R-2H/2.35, Standard Calculation Report No. ENG-0 Rev.0
Floating pontoon FE/IG/8R-2H/2.35, Standard Technical Specification No. ENG-0 Rev.0
Drawing "TELAIO DA mt. 8.00x2.28 ASSIEME COSTRUTTIVO" No. 1-0-S0000-Y-9143 Rev.0
Drawing "PONTILE GALLEGGIANTE FE/IG/8R-2H/2.35" No. 1-3-D0000-Z-9792 Rev.0

MARKING OF PRODUCT:

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

CONDITIONS FOR CERTIFICATION:

None.