



Certificate No. 01-015618/0112030

## 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/12-3, 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: **2026-11-07**

Place and date: Split, 2022-10-26 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/12-3 structure is made of steel (EN 10025 S275 JR, MAG welded and hot-dip galvanized). Deck is made of tropical wood Yellow Ballau screwed on aluminium beams (EN-AW 6060-T6). Pontoon has 3 floating units with dimensions 2.26x1.96x0.71 m made of expanded polystyrene covered with layer of sulphate resistant concrete reinforced with polypropylene fibres, steel bars and mesh reinforcement, depending on position and concrete covering thickness.

**Pontoon dimensions:**

length 12 m                      breadth (concrete) 2.35 m  
height 0.91 m                      freeboard 0.51 m

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

**TYPE APPROVAL DOCUMENTATION:**

Floating pontoon FE/IG/12-3, Standard Calculation Report Rev.0 dated 06. August 2008.  
Floating pontoon FE/IG/12-3, Standard Technical Specification Rev.0 dated 06. August 2008.  
Floating pontoon FE/IG/12-3, Test Report Rev.0 dated 06. August 2008.  
Drawing "TELAIO DA mt. 12.00x2.28 ASSIEME COSTRUTTIVO" No. 1-0-S0000-Y-9140 Rev.0

**MARKING OF PRODUCT:**

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

**CONDITIONS FOR CERTIFICATION:**

None