



Certificate No. 01-015619/0112031

## 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/ST/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: **2026-11-06**

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/ST/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 2.26x1.5x0.64 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	0.84 m	freeboard	0.53 m

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

**TYPE APPROVAL DOCUMENTATION:**

Floating pontoon Fe/ST/12-3, Standard Calculation Report No. PGO001-0-0  
Floating pontoon Fe/ST/12-3, Standard Technical Specification No. PGO01-2-0  
Floating pontoon Fe/ST/12-3, Test Report No. PGO001-3 Rev.0  
Drawing "TELAIO DA mt. 12.00x2.28 ASSIEME COSTRUTTIVO" No. 1-0-S0000-Y-3131 Rev.A  
Drawing "STANDARD PONTOONS ELASTIC COUPLING" No. 1-3-S0000-Y-6058 Rev.0

**MARKING OF PRODUCT:**

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

**CONDITIONS FOR CERTIFICATION:**

None