



Certificate No. 01-016471/0113014

## 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:

### WEATHERTIGHT FLUSH SURFACED DOOR; TYPE:

1. D0A maximum clear opening 1950 x 950 mm
2. D01 maximum clear opening 1950 x 950

MANUFACTURER:



THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

- CRS: Rules for the classification of ships, Part 3. – Hull equipment

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

APPROVAL IS VALID UNTIL: 2028-06-05

Place and date: Split, 2024-04-24

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:**

Weathertight flush door is covering two (2) types, D0A and D01 -flush surfaced door with single handle looking mechanism connected to locking dogs. It is delivered with stainless hinges and door handles. The doors are made of external and internal aluminium panels clamped in perimetrically set door frame and stiffened with flat bars. The door frame is hinged to aluminium main frame which is bolted to bulkhead structure. The tightness is secured with neoprene gasket. Door dimensions may vary according to bulkhead cutout but not exceeding maximum clear opening. Window combinations are optional with an area not exceeding 0.16 m<sup>2</sup>.

**APPLICATION / LIMITATIONS:**

- For closing of openings above the waterline to withstand the weather condition on:
  - Passenger ships carrying not more than 36 passengers;
  - Large commercial Short Range Yachts (navigation within 60 nautical miles from safe haven);
  - Passenger ships for daily trips sailing in navigation area 6, 7 and 8 from April 1<sup>st</sup> until October 31<sup>st</sup> (summer period).
- The door installation has to be in accordance with the manufacturer's recommendation.
- After installation, in order to check weathertightness of sealing, hose (water-jet) test is to be performed in presence of CRS Surveyor.
- This TAPP Certificate is valid only to weathertightness.

**TYPE APPROVAL DOCUMENTATION:**

- Technical drawings "D0A/D01 series Weathertight Doors" and Testing plan from Approval Letter 2979/TB/MS/VK/0110333 dated 2019-12-18.
- CRS test report for prototype door testing No. 19191 performed AT Bofor Marine Products in Istanbul on 2019-12-19.

**MARKING OF PRODUCT:**

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

**CONDITIONS FOR CERTIFICATION:**

None.