Certificate no.:
TAS00004HN

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Weathertight Door

with type designation(s)
GRP Weathertight Single door

issued to
Wuxi Dongzhou Marine Equipment Co., Ltd
Wuxi, **China**

is found to comply with

DNV rules for classification – High speed and light craft
DNV rules for classification – Ships

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2025-01-01**
This Certificate is valid until **2029-12-31**.
DNV local unit: **Jiangyin NB & CMC**

for **DNV**

Approval Engineer: **Grzegorz Wolski**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

GRP Weathertight Single Door
is available in different sizes with 110 mm radiused corners.

Closing by quick-acting toggles or single operating closing system.

Door leaf made from GRP sandwich with steel framing.

Coaming made from steel.

Hinges made from steel.

Toggles and quick-acting closing system made from stainless steel.

Seal made from EPDM rubber.

Optional portlight with diameter Ø = 450 mm or square / rectangular window with 700 mm x 500 mm maximum size.

Glazing material of toughened safety glass with thickness 12.0 mm + 30 mm air gap + 6.0 mm fitted in an steel frame.
Optional deadlight may be fitted.

Application/Limitation

The weathertight doors are found to comply with:
- DNV-RU-SHIP July 2023 Pt.3 Ch.12 Sec.2 for Weathertight doors
- DNV-RU-SHIP July 2023 Pt.3 Ch.12 Sec.6 for doors with installed windows or scuttles.
- DNV-RU-HSLC December 2022 Pt.3 Ch.6 Sec.3.

Maximum design pressure is 25 kPa.

The door has been Type Approved with respect to weathertightness only, i.e. fire integrity has not been considered.

The doors shall not be fitted in bulkheads where it is required that steel doors shall be used i.e. in galley, engine casing, etc. which may be considered as a space of greater fire risk.

The door shall not be fitted in a bulkhead where the design pressure is higher than indicated in the table above.

Dimensions of the light opening of the doors can be smaller than shown on the drawings, if scantlings, maximum distance between the cleats and fabrication method and material are maintained.

The Type Approval does not cover the supporting structure of the doors, which is subject to approval. Interface showing door frame and bulkhead shall be submitted for case-by-case approval by yard/end user.

Consideration shall be given if located in highly stressed areas or in areas critical to fatigue from global hull loads.

From the strength and tightness point of view cylinder locks may be fitted in the door. Depending on the location there could be restrictions preventing the use of locks in the doors, to be evaluated for the specific cases.

The complete installation shall be function and leak tested according to DNV-RU-SHIP-Pt.2 Ch.4 Sec.8 July 2023.

A door with window may not protect openings into enclosed superstructures or below freeboard deck.

A door with side scuttle/window is to be fitted with a dead light if located in a position where dead light is required for windows and side scuttles.

Type Approval documentation
Drawing No. 262WDF016-01 dated 03 Aug 2024 from manufacturer.

Tests carried out
Hydrostatic pressure test dated 21.02.2025.

Marking of product
The product is to be marked with the following info:
- Manufacturer's name or brand
- DNV Type Approval Certificate No. TAS00004HN
- Type designation

Periodical assessment
DNV surveyor has the permission to perform Certification Retention Survey at any time during the validity period of this certificate. Periodical assessment will be required after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

Manufactured by:
Wuxi Dongzhou Marine Equipment Co., Ltd., Wuxi, China

Manufacturers/production sites not listed here shall be assessed by DNV in accordance with DNV CP-0338 prior to manufacturing of products to this TA certificate, and a request for update of the TA certificate shall be submitted to DNV for addition/change of production sites as relevant.