



Certificate no.:
TAS000058M

TYPE APPROVAL DESIGN CERTIFICATE

This is to certify:
that the Watertight Hatch

with type designation(s)
Composite flush hatches

issued to
Baltic Yachts Oy Ab Ltd.
Jakobstad, Finland

is found to comply with

Application:

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

Issued at **Hamburg** on

This Certificate is valid until .

for **DNV**

DNV local unit: **Finland CMC**

Approval Engineer: **Christoph Wähling**

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 300,000 USD.

Product description

“Composite flush hatches”

Is a variety of hatches in different sizes up to 800 x 1500 and with different toppings like glass/ composite/ teak. The application variation depends on the opening dimensions -> see overview. Further detailed information is given in the documentation to define composite laminates for composite toppings, additional supporting beams, gutter depth, etc. For further details see the test report & documentation listed under Type Approval documentation below.

Application/Limitation

The application is limited to vessels built to DNV Rules for Classification – YACHT and for a design pressure of not more than 35 kPa.

Standard clear openings are:

Name	Application Variation	Clear opening (X ; Y) [mm]
Deck Hatch – Fuel/ Water Tank	Composite/Teak	200 ; 300
Deck Hatch	Glass/Composite/Teak	200 ; 400
Deck Hatch	Glass/Composite/Teak	275 ; 355
Deck Hatch - Windlass	Glass/Composite/Teak	300 ; 350
Deck Hatch	Glass/Composite/Teak	350 ; 400
Deck Hatch	Glass/Composite/Teak	450 ; 450
Deck Hatch	Glass/Composite/Teak	400 ; 600
Deck Hatch	Glass/Composite/Teak	500 ; 500
Deck Hatch	Glass/Composite/Teak	500 ; 700
Deck Hatch	Glass/Composite/Teak	600 ; 600
Deck Hatch	Composite/Teak	600 ; 700
Deck Hatch	Composite/Teak	450 ; 940
Deck Hatch	Composite/Teak	800 ; 800
Deck Hatch	Composite/Teak	850 ; 900
Deck Hatch	Composite/Teak	800 ; 1500

Additional requirements for the glass variant:

- The glass cross section consists of 3 layers.
- Top layer 4 mm: May be thermally or chemically strengthened and attached to load bearing laminate with e.g. PVB foil (min. shear modulus 1.6 MPa)
- Load bearing laminate 6 mm + 6 mm chemically strengthened glass panes with min. characteristic breaking strength of 150 MPa, connected by interlayer with min. shear modulus 9 MPa
- Individual glass approval required for each project, including adhesive specification and bonding procedures (adhesive shall have a DNV Type Approval). The maximum permissible load is 35 kN/m² unless proven otherwise in the individual glass approval.
- The requirements for deadlights and storm covers acc. RU YACHT Pt.3 Ch.9 Sec.2 [5.1.3] is not covered by this Type Approval.

Watertight appliances are subject to shop testing to design pressure, witnessed by a DNV surveyor, except in cases where plan approval of the hatch arrangement determines that tests are not required.

For application in internal watertight boundaries, hydraulic testing is to be done from the side which is the most prone to leakage.

Type Approval documentation

Drawing No. BYS-20-00013 Rev.F dated 11th March 2026 from manufacturer.

Drawing No. BYS-20-00028 Rev.F dated 11th March 2026 from manufacturer.

Drawing No. BYS-20-00154 Rev.A dated 22nd April 2025 from manufacturer.

Hatch Test Protocol 800 x 1500 dated 28th October 2025

Hatch Test Protocol 600 x 600 dated 28th October 2025

Test Report dated 28th October 2025

Tests carried out

According to DNV rules for classification: YACHT (2025-07).



Job ID: **262.1-045017-1**
Certificate no.: **TAS000058M**

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, approved pressure and certificate number.

Periodical assessment

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>