DNV·GL

Certificate No:
**TAF00001CT**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Class H Door**

with type designation(s)
**H-15 Hinged Door, Type H-15 H**

Issued to
**Baggerød AS**
**HORTEN, Norway**

is found to comply with
**DNV GL offshore standards**
**DNV GL rules for classification – Ships**
**DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations**

## Application :

**Approved for use as a vertical fire retarding division of class H-15.**

Issued at **Høvik** on **2020-02-07**
This Certificate is valid until **2025-02-06**.
DNV GL local station: **Norway Fleet in Service, East-South**

for **DNV GL**

Approval Engineer: **Marcin Tobiasz**

**Mårten Schei-Nilsson**
**Head of Section**

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.


© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

## Product description

"H-15 Hinged Door, Type H-15 H"
single leafed hinged door with doorblade composed of 2.0 mm steel sheets and an insulating core of 2 x 38 mm "FireMaster Marine Plus" of nominal density 96 kg/m$^3$ (manufactured by Morgan Advanced Materials). Door is reinforced inside along the top and vertical edges with flat steel which is welded to the steel sheet c/c 200 mm and along the hinged side with L-profile spot welded to the edge c/c 400 mm.

Total doorblade thickness 80 mm.

The door frame is composed of 3 mm steel profile and may bolted, M8 mm x 30 mm c/c 200 mm, or welded to the bulkhead.

The door is fitted with four hinges and a three point lock system.

For further detalis see drawing in test report mentioned under Type Approval documentation.

## Application/Limitation

The door is approved for installation in steel bulkheads of class H-15. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Maximum door leaf size: 1112 mm x 2452 mm (W x H).
Maximum clear door opening: 1000 mm x 2300 mm (W x H).

Any surface materials used have to be approved for smoke and toxicity and low flame spread characteristics (IMO 2010 FTP Code part 2 and 5) when required according to relevant rules.

Note that this is a fire safety certificate which only covers fire technical properties (i.e. not to cover any evaluations related to water tightness, weathertightness, etc.).

The product or packing is to be supplied with its manual for installation and use.

## Type Approval documentation

Certification in accordance with Class Program DNVGL-CP-0338, September 2018.

Test report No.PG 12119 Serial No. 12306 dated 6 January 2010 from DIFT, Copenhagen, Denmark.
Assessment/confirmation from Morgan Advanced Materials dated 03 June 2019.

Drawing No. 14930-001 dated 5 January 2009 from manufacturer.

## Tests carried out

Tested according to IMO FTPC Part 3 (IMO Res. A.754(18)) and in compliance with IMO 2010 FTP Code Ch. 8 and HC fire temperature curve.

## Marking of product

The product is to be marked with name of manufacturer, type designation and fire technical rating.

## Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.