

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
A-30 HINGED DOOR TYPE HB-H

Issued to

Baggerød AS
HORTEN, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511, IMO MSC.1/Circ.1319

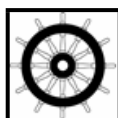
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-12-12**.

Issued at **Høvik** on **2019-12-13**

DNV GL local station:
Sandefjord

Approval Engineer:
Grzegorz Wolski



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Product description

"A-30 hinged door type HB-H"

single leafed hinged door with doorblade composed of 1.0 mm steel sheets and an insulating core of 50 mm SeaRox SL660 of density 150 kg/m³ manufactured by Rockwool and in the periphery of the doorblade 50 mm Firemaster Marine Plus Blanket (with breath of 100 mm on bottom edge and 220 mm on other edges) of density 128 kg/m³ manufactured by Morgan Thermalceramics.

Total doorblade thickness: 52 mm.

The door frame may be welded or bolted to the steel bulkhead, and when bolted the bolting should be with M8 x 30mm bolts per 250 mm.

The door is fitted with three hinges.

Door may be fitted with hose port.

For details please see Type Examination documentation.

Application/Limitation

The door is approved for installation in steel bulkheads of class A-30. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. clear opening: 950 mm x 2100 mm (W x H).

Max. size of door leaf: 982 mm x 2115 mm (W x H).

Max. size of hose port: 150 mm x 150 mm (W x H).

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

Each product is to be supplied with its manual for installation, use and maintenance

Type Examination documentation

Test report No. 810-19TMU-IMO dated 06 August 2019 from TUV Eesti, Maardu, Estonia.

Tests carried out

Tested according IMO 2010 FTP Code part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation and fire-technical rating, Mark of Conformity and USCG approval (see first page).