



DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2009/26/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. **MED-B-6456**

This is to certify that the
Fire Doors

with type designation(s)
A-Class Hinge Door, Type HB-H

Manufacturer
NORAC Baggerød A/S
HORTEN, Norway

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/and IMO FTP Code

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

Høvik, 2010-09-23
for **Det Norske Veritas AS**



This Certificate is valid until
2015-09-23

Eivind Mykland
Head of Department

Notified Body No.: **0575**

DNV local office:
Sandefjord

Rolf Emilsen
Surveyor



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.



Certificate No.: MED-B-6456
Item No.: A.1/3.16
Job Id.: 344.1-002762-1

Product description

"A-CLASS HINGE DOOR, TYPE HB-H"

single leafed hinged door with door blade composed of 1.5 mm steel sheets and an insulating core of 2 x 25/ + alternative additional 13 mm Thermal Ceramics Firemaster Blankets X607 of density 96 kg/m³. The door blade may be fitted with a hose port. The door may be fitted with window composed of 21 mm Pyrostop A-60 glass. Max. size of fire technical glazing unit: 200 x 500 mm (W x H).

Total door blade thickness 53 mm, alternative 66 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 300 mm. The door is fitted with three hinges.

For further details see drawings mentioned under Type Examination documentation below.

Application/Limitation

The door is approved for installation in steel bulkheads of class A-60. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. clear opening: 950 x 2020 mm (W x H).

The insulation materials, any surface materials and adhesive used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

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

Type Examination documentation

Test reports: No. G 10510, dated 8 February 1999, No. F 10680, dated 16 February 1999, No. G 10510b dated 11 March 1999, and Assessment H 11440 dated 29 October 1999 from DIFT, Hvidovre, Denmark.

Test report No. G 10589 Serial No.7392 dated 28 December 1999 from DIFT, Hvidovre, Denmark (Bolting).

Assessment report No. PH 12722 dated 1 June 2005 from DIFT, Hvidovre, Denmark.

Drawings: Nos. BH05-G10, -G10A, -G12, -G13, dated January/February 1999 by Baggerød Horten as.

Window drawing BH-G02 dated 5 May 1999 from Baggerød Horten AS.

Tested according to IMO FTPC Part 3 and IMO A.754(18).

Marking of product

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

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

USCG Approval

An 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.

USCG approval limitations:

The approval is limited to fire doors without windows and doors with total window area of 645 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.