



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 2008/67/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-5850**

This is to certify that the
Fire Doors

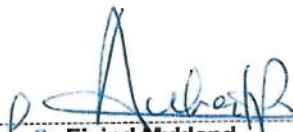
with type designation(s)
ALVEDOOR B 15 M

Manufacturer
Stenca AB
ALVESTAD, Sweden

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, 2010-01-18
for Det Norske Veritas AS


for Eivind Mykland
Head of Department



Notified Body No.: **0575**

DNV local office:
DNV Gothenburg

This certificate is valid until
2015-01-18


Rolf Emilsen
Surveyor



Notice: 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-5850
Item No.: A.1/3.16
Job Id.: 344.1-002206-1

Product description

"Alvedoor B 15 M"

single leafed hinged door composed of an insulating core of 38 mm "Paroc Slab 337", of density 140 kg/m³ or "ABM-SR", manufactured by Shanghai Advanced Building Materials China, of density 150 kg/m³, faced on each side with 0.7 mm steel sheets and glued with Casco Nobel 1833 PUR Adhesive 1K, 150 g/m². The door may also be fitted with a window of type "Pyrostop 60-10 GII" 390 x 390 mm (height x width) from Pilkington in upper part and/or an escape panel 800 x 600 mm (height x width) with ventilation louver in lower part of door blade. The door has 3 hinges. The door frame is made of 1,5 mm steel sheets and is fasten with screws to the bulkhead.

Total thickness of door 40 mm.

Applications/Limitations

Approved for use as an integraed part of fire retarding division of class B-15.

Max. clear opening: 2080 x 900 mm (height x width).

The door may be fitted with a concealed door closer with type designation "Geze Boxer"

The insulation and any surface materials 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 and use.

Type Examination documentation

Test report No. PG 10690 Serial No. 7588 dated 11 May 2000 from Danish Institute of Fire Technology, DANAK, Denmark.

Assessment Report No. C126554 dated 23 August 2002 from Warrington Fire Research Centre Ltd, WRFC, UK.

Assessment Report No. PH13358 dated 20 May 2009 from DIFT, Denmark.

Drawings:

No. C 301 078 A, C 300925 F, C 301293, all dated 28 February 2000

D 100 345 B dated 9 August 1999,

D 300925 E dated 9 April 1998,

B 100634 A dated 28 February 1996

B 301433 and D 100345 dated 9 February 1999.

B301668 dated 19 October 1995 (Geze Boxer door closer).

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

Marking of product

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

Mark of Conformity and USCG approval if applicable (see below and page 3).

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 of Certificate Conformity.



Certificate No.: MED-B-5850
Item No.: A.1/3.16
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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

Handwritten mark

Handwritten mark