



# 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 2002/75/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-4067**

This Certificate consists of 3 pages

*This is to certify that the product*  
**Fire Doors**

*with the type designation(s)*  
**ALVEDOOR B 15 M**

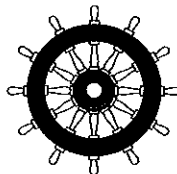
*Manufactured by*  
**Alvedoor AB**  
ALVESTA, Sweden

*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-2/9.4.1.1.2, II-2/9.4.1.2.1 & II-2/9.4.2 and IMO FTP Code

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

*Place and date*  
Høvik, 2006-12-12  
for DET NORSKE VERITAS AS

**Tore Morten Wetterhus**  
Manager, MTPNO370  
Department Systems & Components



Notified Body No. 0575

*DNV local office:*  
DNV Gothenburg

*This Certificate is valid until*  
2011-12-12

**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.*

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: MED-B-4067  
Job Id.: 344.1-000658-1  
File No.: A.1/3.16

## Product description

“Alvedoor B 15 M”  
single leafed hinged door composed of an insulating core of 38 mm “Paroc Slab 337”, of density  $140 \text{ kg/m}^3$  faced on each side with 0.7 mm steel sheets and glued with Casco Nobel 1833 PUR Adhesive 1K,  $150 \text{ g/m}^2$ . 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 integrated 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.

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)).



*Sub.*




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### Marking of product

The product is to be marked with name of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG approval (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 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" signed 17 October 2005.

END OF CERTIFICATE

