



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. F-17413  
This Certificate consists of 2 pages

*This is to certify that the*  
**Class B Door**

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

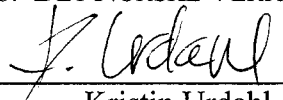
*Manufactured by*  
**Alvedoor AB**  
Alvesta, Sweden

*is found to comply with*  
Det Norske Veritas' Rules for Classification of Ships and Mobile Offshore Units  
Det Norske Veritas' Interpretation of SOLAS 1974 Convention as Amended

*Application*  
Approved for use as an integrated part of fire retarding divisions class B-15.  
Max size of clear opening: 900 mm x 2114 mm (w x h).

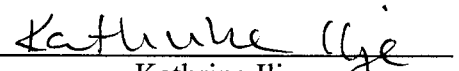


*Place and date*  
Høvik, 2003-11-25  
for DET NORSKE VERITAS AS

  
\_\_\_\_\_  
Kristin Urdahl  
Head of Section

*Local Office*  
DNV Gothenburg

*This Certificate is valid until*  
2007-12-31

  
\_\_\_\_\_  
Kathrine Ilje  
Surveyor

**Notice: 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.**

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.: F-17413  
File No.: 471.14

## Product description

“Alvedoor B-15 M”  
composed of door leaf made from 40 mm thick “Brandboard 1364-00”, density 250 kg/m<sup>3</sup> covered on both sides with 0.7 mm thick steel plates. The top of the door consists of a special shaped panel of dimensions 200 x 1020 x 50 mm. The panel is made from 50 mm thick “Paroc Slab 337.00” covered on both sides with 0.7 mm thick steel.

## Applications/Limitations

The door without the top panel is approved as an integrated part of fire retarding divisions class B-30. (see drawing No. D 30116 dated 30 March 1999 from Alvedoor AB.)

The door may be fitted with a concealed door closer with type designation “Geze Boxer”.

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

## Type Approval documentation

Certification in accordance with Certification Note No. 1.2, Type Approval, December 1996.

Test report File No. G 10487, Serial No. 7180 dated 23 April 1999 from DIFT, Copenhagen, Denmark. Assessment No. G 10487b dated 16 August 1999 from DIFT. Drawing No. B301671 dated 17 September 2003 from Alvedoor AB (Geze Boxer door closer).

Certification Retention Survey Report dated 21 October 2003 from DNV Gothenburg.

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

## Marking of product

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

## Certificate retention survey

Det Norske Veritas' surveyor is to be given permission to perform Certification Retention Surveys at any time during the validity period of this certificate. The arrangement is to be in accordance with procedure described in item 4.3, Certification Note No. 1.2.

END OF CERTIFICATE

