



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

**CERTIFICATE NO. F-17661**  
This Certificate consists of 2 pages

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

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

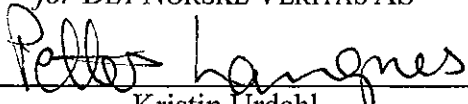
*Manufactured by*  
**Alvedoor AB**  
Alvesta, Sweden

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

*Application*  
Approved for use as an integrated part of fire retarding divisions class B-15. Max size of clear opening is 900 x 2073 mm (W x H).


*Place and date*  
Høvik, 2004-10-26

for DET NORSKE VERITAS AS

  
Kristin Urdahl  
*for* Head of Section

*This Certificate is valid until*  
2008-06-30

*Local Office*  
DNV Gothenburg

  
  
Helge Bjørnara  
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-17661  
File No.: 471.14

### Product description

“Alvedoor B-15 C”

composed of a door leaf made from 32 mm thick Cape Marine Board, density 640 kg/m<sup>3</sup>, with profile of 0.7 mm thick steel sheet along the edges. The top of the door consists of a special shaped panel of exterior dimensions 325 x 1020 x 50 mm. The panel is manufactured from 0.7 mm steel sheet insulated with Paroc Slab 337.00 glued to the steel sheet. A kick out panel with ventilation grating is mounted in the lower half of the door.

### Applications/Limitations

Max total free area of ventilation grating is 0.05 m<sup>2</sup>.

### Type Approval documentation

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

Certification retention survey report date 28 September 2004 from DNV Gothenburg.

Test report File No. G 10488, Serial No. 7181, dated 11 May 1999 from DIFT, Copenhagen, Denmark and drawings Nos. D 301106A, D 100345 and B301107 from Alvedoor AB. (See applications/limitations for max total free area of ventilation grilles.).

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

