

# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

**CERTIFICATE NO. F-17417**  
This Certificate consists of 2 pages

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

*with type designation(s)*  
**ALVEDOOR A-15**

*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 A-15.  
Max size of clear opening: 1000 mm x 2100 mm (w x h).



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

Kristin Urdahl  
*Head of Section*

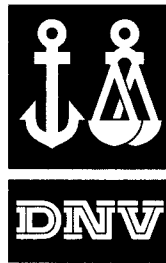
*This Certificate is valid until*  
2007-12-31

Kathrine Ilje  
*Surveyor*

*Local Office*  
DNV Gothenburg

**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-17417  
File No.: 471.13

### Product description

“ALVEDOOR A-15”

single leaf hinged door with door blade made from 1.5 mm steel sheet, insulated with 36 mm Mineral wool, type “Paroc 1318” of density 40 kg/m<sup>3</sup>. The door may be fitted with a hose port and/or a window, type “Pyrostop 60 -10 G II”, of max. dimensions 395 mm x 395 mm. The doorframe may be bolted or welded to the bulkhead.

Total thickness of door blade 39 mm.

### Application/Limitation

The door may be fitted with a concealed door closer with type designation “Gexe 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. PG10689 Serial No. 7706 dated 4 September 2000 from DIFT, Copenhagen, Denmark.

Assessment WFRS No. 118314 dated 26 March 2001 from Warrington Fire Research, UK.

Drawings Nos. D201303, C201297A, B201319, C201304, C201307 from Alvedoor AB.

Drawing No. B201376 dated 30 March 2001 from Alvedoor AB (Bolted installation).

Drawing No. C201368 dated 14 March 2001 from Alvedoor AB (Bolted or welded installation).

Drawing No. B201670 dated 15 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



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