



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-5852**

This is to certify that the
Fire Doors

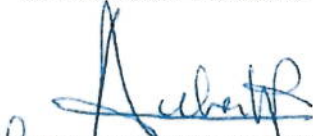
with type designation(s)
ALVEDOOR A-15

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-5852
Item No.: A.1/3.16
Job Id.: 344.1-002206-1

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/m³ or rockwool insulation "ABM-SR" of density 150 kg/m³ manufactured by Shanghai NTBM Rockwool factory, China. 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 door frame is made of 4 mm steel sheets, which may be bolted or welded to the bulkhead.
Total thickness of door blade, 39 mm.

Applications/Limitations

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).

The door may be fitted with a concealed door closer with type designation "Gexe 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 File No. PG10689 Serial No. 7706 dated 4 September 2000, and PG12011 Serial No. 11930 dated 23 January 2009 (for alternative insulation) from DIFT, Copenhagen, Denmark.
Assessment WFRC No. 118314 dated 26 March 2001 from Warrington Fire Research, UK.

Drawings:

D201303 and C201304 dated 29 May 2000,
C201297A dated 11 May 2000,
B201319 dated 15 August 2000,
C201307 dated 13 June 2000,
B201376 dated 30 March 2001 (Bolted installation),
C201368 dated 14 March 2001 (Bolted or welded installation),
B201670 dated 15 September 2003 (Geze Boxer door closer).

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, fire-technical rating, Mark of Conformity and USCG approval if applicable (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 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 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 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.