



# 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-5851**

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

with type designation(s)  
**DOUBLE HINGED B-15 DOOR**

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

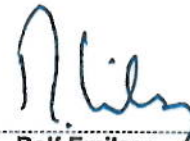
  
Eivind Mykland  
Head of Department



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-5851  
Item No.: A.1/3.16  
Job Id.: 344.1-002206-1

### Product description

"Double Hinged B-15 Door"

Double leaf door with door blades made from 40 mm thick "Rockwool 337", density 150 kg/m<sup>3</sup> or "ABM-SR", manufactured by Shanghai Advanced Building Materials China, of density 150 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. Each of the door blades may be fitted with a window of max. size 350mm x 350mm in the upper half and a kick out panel (390 x 490 mm) with ventilation grille in the lower half.

Each door leaf is fitted with three hinges.

The door frame is made of 1,5 mm steel sheets and fasten with screws to the bulkhead.

### Applications/Limitations

Approved for use as an integrated part of fire retarding divisions class B-15.

Max size of clear opening: 1800 mm x 2080 mm (w x h).

Max. size of each door blade: 915mm x 2095mm (w x h).

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. PG 10639, Serial No. 7423 dated 5 January 2000 from DIFT, Copenhagen, Denmark.

Assessment Report No. PH13358 dated 20 May 2009 from DIFT, Denmark.

Drawings:

D301 121 dated 16 April 1999,

D301 121B dated 10 August 1999,

D100 345 and D100 345B dated 9 August 1999,

C301 074 dated 10 September 1998,

B301668 dated 19 October 1995 (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 cm<sup>2</sup>, or less, in each door leaf.

For larger windows, USCG shall be contacted.