

MARINE DIVISION
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Certificate N°:
09309/B0 EC
File Number : ACI 1200/051/025
MED item number : **A.1/3.16**
This Certificate is not valid where presented without the full attached Schedule, composed of 10 sections.



EUROPEAN COUNCIL DIRECTIVE 96/98 EC on MARINE EQUIPMENT (M.E.D.)

**EC TYPE EXAMINATION CERTIFICATE
(CERTIFICATE OF TYPE APPROVAL)**

This is to certify that Bureau Veritas, acting within the scope of its notification, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the International Instruments and testing standards under the requirements of Council Directive 96/98/EC, as amended.

FIRE DOORS
B-30 Class Door: "ALVEDOOR B-30M"

MANUFACTURED BY:

ALVEDOOR AB
Alvesta - SWEDEN

REGULATIONS & STANDARDS in accordance with Council Directive 96/98/EC, as amended by Commission Directive 2002/75/EC : SOLAS 74 Convention, as amended, SOLAS Amendments 2000 Regs.II-2/9.4.1.2.1 & II-2/9.4.2 - IMO Resolution A.754(18) - IMO Resolution MSC 61(67) Annex 1, Part 3 - IMO MSC/Circ. 916.

Expiry date: 15/10/2009

Local Office : BUREAU VERITAS GOTHENBURG

At Paris la Défense, on : 02/06/2004



J.BENOIT
Marine Equipment Certification Manager
For BUREAU VERITAS, EC Notified Body N°0062



The Manufacturer is allowed to affix the MED Conformity Mark to approved equipment and issue a Declaration of Conformity, only when the production/product assessment module referred to in the Directive 96/98/EC, is fully complied with.

This Certificate remains valid until its date of expiry, unless cancelled or revoked, providing the conditions in the attached Schedule are complied with and the equipment remains satisfactory in service. This Certificate does not apply to equipment which has been varied or modified from the specimen tested.

Should the specified standards be amended during the validity of this Certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended standards apply.

This Certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division. Any Person not a party to the contract pursuant which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

Issued under the authority of the French Maritime Administration.



THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

B-30 Class Door: "ALVEDOOR B-30 M"

Single leaf hinged door composed of an insulating core of approximately 38 mm of "Brandboard 1364-00", density 250 kgm⁻³ from Partek Insulation AB, faced on each side with 0.7 mm steel sheets.

The door leaf is mounted with a kick-out panel (400 mm x 500 mm) with ventilation grating situated at the lower part of the door leaf.

The top panel consists of a section of the door frame and a piece of bulkhead panel.

Door leaf dimensions: 2114 x 934 mm.

2. DESIGN DRAWINGS and/or SPECIFICATIONS

2.1 - Drawings N° C 301110 (dated 02/03/1999) and D 301116 (dated 30/03/1999) from the Manufacturer.

2.2 - Manual(s) for installation, use and maintenance is/are to be stamped by the Society's Surveyor and supplied in the language prescribed by the Maritime National Administration to whom the ship is registered.

2.3 - Manufacturing documentation: to be stamped by the Society's Surveyor.


3. TYPE TEST REPORTS / LABORATORY RECOGNITION STATUS

Test report N° G 10487 dated 23/04/1999, as per IMO A.754 (18) from DIFT, Denmark.


Technical Assessment N° G 10487b, dated 16/08/1999 from DIFT, Denmark.

4. MATERIALS or COMPONENTS REQUIRED TO BE TYPE APPROVED or TYPE TESTED

4.1 - Non-combustible material: "Brandboard 1364-00", density 250 kgm⁻³, manufactured by Partek Insulation AB, Sweden, Test report N° F 10716, testing date 14/04/1999, as per IMO Res. A.799 (19) by DIFT, Denmark.

To be EC type approved and to bear the  mark.

4.2 - Non-combustible material: "Paroc Slab 337-00", density 150 kgm⁻³, manufactured by Partec Rockwool AB, Test report n°PF10844a dated March 8, 2000 as per IMO FTP Code Annex 1 Part 1 [testing standard: IMO Resolution A.799(19)] issued by DIFT, Denmark.

To be EC type approved and to bear the  mark.

4.3 - Surface linings to be EC type approved and to bear the  mark.

5. OTHER MATERIALS and/or COMPONENTS

Adhesive: "Casco 1833 PUR Adhesive 1K", test report N° SN 99.20.1, testing date 16/03/1999, as per IMO Res. MSC 61(67) Annex 1 Part 5 from Brandversuchshaus Hamburg, Germany.


6. APPLICATION / LIMITATION OF USE

Approval valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A649 (The "MODU Code").

7. PRODUCTION SURVEY REQUIREMENTS

7.1 - Arrangements shall be made for a Society's Surveyor to carry out, on a periodic basis, visit of the Manufacturer's (ALVEDOOR AB Works) premises and product audits.

7.2 - The production conformity assessment module shall either be "D, Production Quality Assurance" or "E, Product Quality Assurance" or " F, Product Verification".

7.3 - Each manufactured equipment is to bear the  mark and number of the Notified Body undertaking surveillance module (where BV, 0062).

7.4 - Each equipment or batch of equipment is to be supplied with its manual (or instruction) for installation, use and maintenance in the language required by the Ship's Flag Administration.

8. ON BOARD INSTALLATION & MAINTENANCE REQUIREMENTS

8.1- The fitting aboard to be the same as used for the test.


8.2- The Manufacturer's instruction manual should be kept on board.

8.3- Flame spread, smoke characteristics and calorific value of the lining to be as per Rule requirements.

8.4- The door should be mounted in a B-30 class bulkhead.

8.5- Openings made in or under doors must have a total net area not exceeding 0.05 m².

9. MARKING FOR IDENTIFICATION

-  mark and number of the Notified Body undertaking surveillance module (where BV, 0062).
- Last two digits of year mark affixed.

10. OTHERS

10.1 - This approval is given on the understanding that the Manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

10.2 - This certificate supersedes the EC Type Examination Certificate n° 09309/A1 EC issued on 05/04/2002 by Bureau Veritas.

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BUREAU VERITAS GOTHENBURG

