



CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Alvedoor AB
Address	Blådingevägen 32 S - 342 32 Alvesta Sweden
Type	B-15 DOOR DOUBLE LEAF HINGED
Description	Fire Retarding Door - Type: "ALVEDOOR B-15 M double"
Specified Standard	IMO Fire Test Procedures Code, Annex 1, Part 3

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue 25 May 2005 Expiry date 24 May 2010

Certificate No. SAS F050191

Signed

B. McDonald

Sheet No 1 of 2

Name

B. McDonald

Surveyor to Lloyd's Register EMEA

A Member of the Lloyd's Register Group



Endorsed 2005-06-13

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

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DESIGN APPRAISAL DOCUMENT

Date 9 June 2005	Quote this reference on all future communications LPA/FSS/SSS/FITA/BM
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F050191

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Danish Institute of Fire Technology (DIFT), Copenhagen, Denmark, Fire Test Report File No. PG 10639, Serial No. 7423, dated 5 January 2000, PF 10851, Serial No. 7402, dated 16 December 1999 and PF 10827B, Serial No. 7411, dated 10 December 1999.

Alvedoor AB Drawing No. D301121, dated 16 April 1999.

CONDITIONS OF CERTIFICATION

1. Maximum door leaf size: 915mm wide x 2095mm high.
2. Maximum clear window size: 350mm wide x 350mm high.
3. Kickout panel incorporating grille in door not to exceed size tested in sample (390mm wide x 490mm high).
4. The grille in kickout panel is to be made of non-combustible material and not exceed 500cm² clear opening size.
5. The door is constructed as detailed in Fire Test Report File No. PG10639, Drawing No. D100345B, D301074, D30121B and C301139A approved by DIFT.
6. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

PLACE OF PRODUCTION

Alvedoor AB
Blådingevägen 32
S - 342 32 Alvesta
Sweden



Bruce McDonald *Endorsed 2005-06-13*

Bruce McDonald
Senior Surveyor
Fire & Safety Section
Statutory & Structures Services
London Plan Approval
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).