



## CERTIFICATE OF FIRE APPROVAL

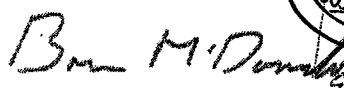
This is to certify that

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.

<b>Manufacturer</b>	Alvedoor AB
<b>Address</b>	Blädingevägen 32 S - 342 32 Alvesta Sweden
<b>Type</b>	<b>A-60 DOOR DOUBLE LEAF HINGED</b>
<b>Description</b>	Fire Resisting Door
<b>Specified Standard</b>	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	23 June 2005	Expiry date	22 June 2010
Certificate No.	SAS F050189	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."

**DESIGN APPRAISAL DOCUMENT**

Date	Quote this reference on all future communications
9 June 2005	LPA/FSS/SSS/FITA/BM

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F050189**

This Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

SP Swedish National Testing and Research Institute (Statens Provningsanstalt), Brinellgatan 4, Sweden, Fire Test Report No. 94 R 12545, dated 14 September 1994.  
Warrington Fire Research Centre, Cheshire, United Kingdom, Assessment Test Report No. WRFC C118314, dated 26 March 2001.  
Alvedoor AB's Drawing No. D100 765 A.

**CONDITIONS OF CERTIFICATION**

1. Maximum door leaf size: 1016mm wide x 2114mm high.
2. The requirements of SOLAS 74, as amended, for controlled "type" doors being complied with (Chapter II-1, regulations 8, 15 & 20 and chapter II-2, regulation 30), as applicable.
3. A Hose port, in accordance with IMO Resolution MSC.21(61) as per Alvedoor AB's drawing No. C201341, may or may not be used with the approved door.
4. Installation methods by welding or bolts, in accordance with Alvedoor AB drawings C201368 and B201376 can also be used by this door.
5. 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*

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).*