


## 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>	Blådingevägen 32 342 32 Alvesta Sweden
<b>Description</b>	Fire Resisting Door - Type: "A-15 with hose port and window"
<b>Type</b>	A-15 DOOR SINGLE LEAF HINGED
<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	14 February 2001	Issued by	Lloyd's Register of Shipping, London
Expiry date	13 February 2006		
Certificate No.	SAS F010074	Signed	
Sheet No	1 of 2	Name	R. D. Smart

**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.

Page 2 of 2
Document number SAS F010074
Issue number 2

**DESIGN APPRAISAL DOCUMENT**

Date 23 May 2001	Quote this reference on all future communications DCG/STAT/FITA/AGF
---------------------	--

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F010074**


The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

Danish Institute of Fire Technology (DANAK), Copenhagen, Denmark, Fire Test Report No. PG 10689, dated 4<sup>th</sup> September 2000.  
 Warrington Fire Research Centre, Chesire, United Kingdom, Assessment Test Report No. WRFC C118314, dated 26 March 2001  
 Alvedoor AB's Drawing Nos. C 201 307, C 201 304, B 201 319, C 201 297 and D 201 303.

**CONDITIONS**

1. Maximum door leaf size: - 1035 mm wide x 2112 mm high x 39 mm thick.
2. Maximum vision panel glass clear opening size: - 395 mm wide x 395 mm wide high x 21 mm thick.
3. Glass for window being "Pyrostop 60-10 G 11 ( Pilkington 3673/03 Pyrostop-E160-21mm).
4. Glazing Bead: - 2.5 mm profiled stainless steel.
5. Sealing strip : - Fiberfax Carborundum.
6. Clear Opening Dimensions: - 1000 mm wide x 2100 mm high.
7. Insulation within door: - Paroc Slab 40 of density 40kg/m<sup>3</sup>.
8. Hose Port dimensions: - 183 mm wide x 167 mm high, with maximum clear opening size of 150 mm x 150 mm.
9. Hose Port to be fitted on the lock side of the door.
10. Installation methods by welding or bolts, in accordance with Alvedoor AB Drawings C201368 and B201373 can also be used with this door.



R. D. Smith  
 Principal Surveyor  
 Statutory Services  
 Dry Cargo Ship Group  
 London Classification & Regional Support

**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).*