

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	AIK Flammadur Brandschutz GmbH
Address	Otto-Hahn-Strasse 5 D-34123 Kassel Germany
Type	CABLE PENETRATION (STANDARD FIRE TEST)
Description	Cable Penetration Sealing Compound - "Geaquello System E950"
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	10 October 2002	Issued by	Lloyd's Register of Shipping, London
Expiry date	9 October 2007		
Certificate No.	SAS F020409	Signed	
Sheet No	1 of 2	Name	M. Farrier Marine Support Group London



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.

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Issue number	1

DESIGN APPRAISAL DOCUMENT

Date 10 October 2002	Quote this reference on all future communications MSG/STAT/DCG/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F020409

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Bauqualität TÜV Nord, Brandversuchshaus, Hamburg, Test Report No. GV95.47.1 dated 28 February 1997 and Test No. GH95.27.1 dated 28 February 1997.

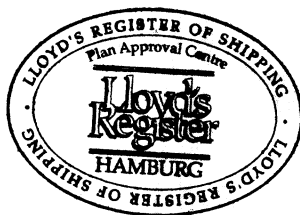
CONDITIONS OF CERTIFICATION

1. Suitable for use in A-60 class divisions.
2. Constructed as shown in Drawing No. 271.149.498.GZ Sheet 4b dated 30 April 1997 for a bulkhead penetration and Drawing No. 271.142.891. GZ Sheet 4 dated 16 October 1996 for a deck penetration.
3. Also Suitable as an A-60 class deck penetration when using GEAQUELLO E292 as a top seal compound as shown on Drawing No. 271.142.891. GZ Sheet 2 dated 25 November 1996 of Test Report No. GH 95.27.1. dated 28 February 1997.

PLACE OF PRODUCTION

AIK Flammadur Brandschutz GmbH
Otto-Hahn-Strasse 5
D-34123 Kassel
Germany

M. Farrier



Martin Farrier
Senior Surveyor
Dry Cargo Ship Section
Statutory
Marine Support Group

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).