

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

LLOYD'S REGISTER OF SHIPPING, specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC and 2002/84/EC subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer Deansteel Manufacturing Company
111 Merchant Street
Address San Antonio
Texas 78204-1496
United States of America (USA)

Annex A1 Item A.1/3.25 - WINDOWS AND SIDE SCUTTLES


Product Type A-60 WINDOW (STANDARD FIRE TEST)

Product Description Fire Resisting Window - Type: "DS WD A-30"

Specified Standard IMO Fire Test Procedures Code, Annex 1, Part 3

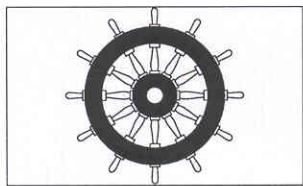
The attached Design Appraisal Document (schedule) forms part of this certificate.

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

Date of issue	29 May 2003	Issued by	Lloyd's Register of Shipping, London LR EC Distinguishing No. 0038
Expiry date	28 May 2008		
Certificate No.	MED 0350147	Signed	
Sheet No	1 of 2	Name	J.D. Burr 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 the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

yy Last two digits of year mark affixed.

This certificate is issued under the authority of the MCA.

DESIGN APPRAISAL DOCUMENT

Date 29 May 2003	Quote this reference on all future communications MSG/STAT/DCG/FITA/WM
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 0350147

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

APPROVAL DOCUMENTATION

Southwest Research Institute (SWRI) San Antonio, Texas, USA, Test Report No. 01.06213.01.001a, dated March 2003.

CONDITIONS OF CERTIFICATION

1. Maximum clear opening width: 1016mm.
2. Maximum clear opening height: 1524mm.
3. Glass panel of: 45mm thick Swissflam identified as a layer of Climalit SF30-N2, Swissflam 30 N2 and Securit Planilux 6mm.
4. The window was tested with the internal side exposed to the fire.

NOTE

The window satisfied the requirements of the hose stream test in Appendix A.1 of IMO Resolution A.754 (18).

PLACE OF PRODUCTION

Deansteel Manufacturing Inc.
111 Merchant Street
San Antonio
Texas 78204-1496
United States of America (USA)



Capt. J. D. Burr
Principal Surveyor
Dry Cargo Ship Section
Statutory Department
Marine Support Group

