




EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016 (S.I. 2016 No. 1025) did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection equipment requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission Implementing Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant)	Unifrax Limited
Address	Mill Lane Rainford St. Helens Merseyside, WA11 8LP United Kingdom (UK)
Reference Regulation Item (No & Item designation)	Regulation 2017/306 MED/3.11a 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY - 'A' CLASS DIVISIONS
USCG Category Number	164.108 - 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (Bulkhead Panels)
Product Type	A-60 BULKHEAD
Product Description	Fire Resisting 'A' Class Bulkhead - Type: "FyreWrap LT Blanket insulated Aluminium Bulkhead" for Restricted Applications with Insulation on Fire Exposed Side
Specified Standard	IMO Res. MSC.61(67) - (FTP Code) Annex 1, Part 3 IMO MSC/Circ 1120

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	25 April 2018	Expiry date	24 April 2023
Certificate No.	MED 1850103	Signed	
Sheet No	1 of 3	Name	K. Taylor For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038

Note:

This certificate is issued under the authority of the MCA. 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.

USCG-EU MRA - This product has been assigned a U.S. Coast Guard Module B number: USCG Module B number: 164.108/EC0038 to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment."

Lloyd's Register Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK. A subsidiary of Lloyd's Register Group Limited.

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Lloyd's
Register

Lloyd's Register Verification Limited

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Email med@lr.org

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Document number MED 1850103
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 24 May 2018	Quote this reference on all future communications SOUTSO/SFS/TA/KT/WP32701713
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850103

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

Exova Warringtonfire, Warrington, Cheshire, United Kingdom, Fire Test Report No. 320577 Issue 2 dated 20 September 2012.

CONDITIONS OF CERTIFICATION

1. **Restricted Application:** Insulated side of the division to be exposed to the fire risk side in all cases
2. A-60 bulkhead consisting of 6mm thick aluminium panels insulated on the fire risk side with one layer of (50mm thick, density 70 kg/m³) wool insulation type 'FyreWrap LT Blanket' manufactured by Unifrax Ltd, fitted to plate and around stiffeners
3. Insulation retained to the aluminium panels and stiffeners with welded steel pins and steel washers, fitted at a maximum spacing of 280mm centres and 50mm from all insulation butt joints
4. Maximum width of panels: 600mm
5. The core temperature of aluminium alloy shall not rise above a maximum 200°C limit above ambient temperature for 60 minute duration of test (SOLAS Chapter II-2 Regulation 11)
6. Composition and application of insulation material to be maintained in production and use in accordance with originally tested composition formula and method of application, and manufacturer's instructions
7. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place
8. This product has been assigned a **U.S. Coast Guard Module B number USCG Approval Category 164.108/EC0038** to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment"

In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not Lloyd's Register Verification Ltd., such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly

Note: For products placed on board U.S. flagged ships there is no declaration of conformity required to meet U.S. Coast Guard requirements

9. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place

This certificate is a renewal of MED 1350058



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PLACE OF PRODUCTION

Unifrax Limited
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Merseyside, WA11 8LP
United Kingdom (UK)

Unifrax France
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France

Unifrax Inc LLC
54401 Smilax Road
New Carlisle
Indiana 46552, USA.



Keith Taylor
Senior Specialist
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

**NOTIFIED BODY CERTIFICATE
TRANSFER OF RESPONSIBILITY**

Certificate No: 0525-MED-DE-MED 1850103

This certificate transfers Lloyd's Register Verification Ltd. (0038)
Certificate No: MED 1850103
Issued on: 25 April 2018
to the responsibility of EU Notified Body No. 0525
(Lloyd's Register Deutschland GmbH)

Date of Original Certificate: 25 April 2018
Date of Current Certificate: 31 December 2020
Date of Certificate Expiry: 24 April 2023

Antje Herms-Bondzio
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LR2020.D.2020.11