



## 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.

<b>Manufacturer (Applicant)</b>	Unifrax Limited
<b>Address</b>	Mill Lane Rainford St. Helens Merseyside, WA11 8LP United Kingdom (UK)
<b>Reference Regulation Item (No &amp; Item designation)</b>	<b>Regulation 2017/306</b> <b>MED/3.11a 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY - 'A' CLASS DIVISIONS</b>
<b>USCG Category Number</b>	<b>164.108 - 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (Bulkhead Panels)</b>
<b>Product Type</b>	<b>A-60 BULKHEAD</b>
<b>Product Description</b>	Fire Resisting 'A' Class Bulkhead - Type: "FyreWrap LT Blanket insulated Aluminium Bulkhead"
<b>Specified Standard</b>	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 1850102	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."

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Lloyd's  
Register

**Lloyd's Register Verification Limited**

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**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 1850102**

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, Holmesfield Road, Warrington, Cheshire WA1 2DS, UK, Fire Test Report No. 324176 dated 29 January 2013.

**CONDITIONS OF CERTIFICATION**

1. A-60 bulkhead consisting of 6mm thick aluminium panels insulated on each side with one layer of (50mm thick, density 70 kg/m<sup>3</sup>) wool insulation type 'FyreWrap LT Blanket' manufactured by Unifrax Ltd, fitted to plate and around stiffeners
2. 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
3. Maximum width of panels: 600mm
4. 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)
5. 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
6. 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
7. 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

8. 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 1350057



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**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850102**

**PLACE OF PRODUCTION**

Unifrax Limited  
Mill Lane  
Rainford  
St Helens  
Merseyside, WA11 8LP  
United Kingdom (UK)

Unifrax France  
17 Rue Antoine  
Durafour  
42420 Lorette  
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 1850102

This certificate transfers Lloyd's Register Verification Ltd. (0038)  
Certificate No: MED 1850102  
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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