



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 Ltd
Address	Mill Lane Rainford St Helens Merseyside WA11 8LP United Kingdom (UK)
Reference	Regulation 2017/306
Regulation Item (No & Item designation) USCG Category Number	MED/3.11 - 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (a) - 'A' CLASS DIVISIONS 164.108 - 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (Bulkhead)
Product Type	A-60 BULKHEAD
Product Description	Fire-Resisting 'A' Class Bulkhead – Type "FyreWrap A60 Bulkhead"
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP 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	18 April 2018	Expiry date	17 April 2023
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Certificate No.	MED 1850071
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Signed	
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Name	J. Evans
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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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Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

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DESIGN APPRAISAL DOCUMENT

Date	18 April 2018	Quote this reference on all future communications	SOUTSO/SFS/TA/JE/WP31587528
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850071

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/EXAMINED DOCUMENTATION

Far East Fire Testing Centre (FEFTC), 511 Chuhua Zhi Lu, Shanghai Chemical Industry Park, Fengxian Sub-Zone, Shanghai, People's Republic of China; Fire Test Report No. FT17202 dated 4th September 2017.

CONDITIONS OF CERTIFICATION

1. Consisting of: 4.5mm thick steel bulkhead insulated with one layer of (38mm thick, 96 kg/m³ density) insulation applied longitudinally over plate and (25mm thick, 96 kg/m³ density) insulation applied over stiffeners, type "FyreWrap Blanket" (also known as "FyreWrap Marine Blanket") manufactured by Unifrax. Insulation retained to bulkhead and stiffeners with 3mm diameter steel pins and 30mm diameter washers spaced at maximum 300mm from insulation joints, maximum 350mm centres horizontally and vertically
2. 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
3. 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
4. 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

5. 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



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PLACE OF PRODUCTION

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

Unifrax France
17, Rue Antoine Durafour
BP2
42420 Lorette
France

Unifrax I LLC
54401 Smilax Road
New Carlisle
Indiana 46552
United States of America (USA)

Unifrax Brazil Ltd
Avenida Independencia 7033
Bairro Sao Matheus
Vinhedo SP 13280-000
Brazil

Unifrax India Private Ltd
99 KM Stone
Ahmedabad Surendranagar Highway
Dist Surendranagar
Lakhtar
382775 Gujarat
India

Unifrax (Suzhou) Co Ltd
59 Shiyand Road
Xushuguan New Zone
21551 Suzhou
People's Republic of China



Jessica Evans
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 1850071

This certificate transfers Lloyd's Register Verification Ltd. (0038)
Certificate No: MED 1850071
Issued on: 18 April 2018
to the responsibility of EU Notified Body No. 0525
(Lloyd's Register Deutschland GmbH)

Date of Original Certificate: 18 April 2018
Date of Current Certificate: 31 December 2020
Date of Certificate Expiry: 17 April 2023

Antje Herms-Bondzio
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LR2020.D.2020.11