




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) 2018/773 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer	Unifrax Limited
Address	Mill Lane Rainford St. Helens Merseyside, WA11 8LP United Kingdom (UK)
Reference Regulation Item (No & Item designation)	Regulation 2018/773 MED/3.11a 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY - 'A' CLASS DIVISIONS
USCG Category Number	164.107 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (Structural Insulation)
Product Type	A-30 BULKHEAD (STANDARD FIRE TEST)
Product Description	Steel Bulkhead Insulated on the fire exposed side with Type: A-30 Class "FyreWrap LT" AES wool insulation system for Restricted Applications
Specified Standard	IMO Resolution 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	25 October 2018	Expiry date	24 October 2023
Certificate No.	MED 1850135	Signed	
Sheet No	1 of 3	Name	B. Geary 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: 164.107/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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DESIGN APPRAISAL DOCUMENT

Date 27 June 2018	Quote this reference on all future communication SOUTSO/SFS/TA/BG/WP32824817
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850135

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, United Kingdom, Fire Test Report No. WF 327447, dated 22 May 2013.

CONDITIONS OF CERTIFICATION

1. When applied to the fire exposed stiffened side of a steel bulkhead, the "FyreWrap LT" AES wool insulation system described below, may be considered as an A-30 Bulkhead Restricted to fire risks on the insulated side of the bulkhead
2. Consisting of: one layer of "FyreWrap LT" AES wool insulation (25mm thick, 64kg/m³ density), applied vertically on the plate between stiffeners and a strip layer of same insulation (25mm thick, 64kg/m³ density) applied over stiffeners and overlapping the plate insulation, all retained with 3mm diameter welded steel pins and spring washers, spaced at 450mm on plate and 150mm over stiffeners horizontally, 350mm vertically and at 50mm from all insulation joints and boundaries
3. For such non-combustible insulation materials the arrangements for this insulation system being fitted on the flat side of a bulkhead may also be considered for A-30 restricted applications, subject to suitable fixing arrangements being separately approved by Lloyd's Register at the design stage
4. "FyreWrap LT" AES wool insulation may be considered with alternative facing materials that have been tested for Low Flame Spread Characteristics
5. Application in each case to be approved by Lloyd's Register at the design stage
6. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype
7. Production items are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or Product Verification (Module F) of the Marine Equipment Directive
8. Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity"



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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850135

9. This product has been assigned a **U.S. Coast Guard Module B number USCG Approval Category 164.107/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

PLACE OF PRODUCTION

Unifrax Limited
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St. Helens
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United Kingdom

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Ben Geary
Technical Manager
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 1850135

This certificate transfers Lloyd's Register Verification Ltd. (0038)
Certificate No: MED 1850135
Issued on: 25 October 2018
to the responsibility of EU Notified Body No. 0525
(Lloyd's Register Deutschland GmbH)

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

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