



Marine & Offshore  
Division

Certificate number: 13451/C1 MED

File number: ACI 1000/333/021

Item number: MED/3.11b

USCG Module B number: 164.108 / EC2690

*This certificate is not valid when presented without the full  
attached schedule composed of 7 sections*

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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

## EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2017/306 of 06 Feb. 2017

*This certificate is issued to:*

**UNIFRAX**

LORETTE - FRANCE

*for the type of product*

**B CLASS DIVISIONS, BULKHEAD PANELS, FIRE INTEGRITY**

B-15 Class Extent of Bulkhead.

### Requirements:

SOLAS 74 convention as amended, Regulations II-2/9, II-2/3.4

IMO Res. MSC.61(67) -(FTP Code)- with IMO Res MSC.307(88) -(2010 FTP Code)- article 8

IMO MSC/Circ.1120

*This certificate is issued on behalf of the French Maritime Authorities to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.*


**This certificate will expire on: 20 Sep 2018**

For BUREAU VERITAS Notified Body 2690,

At BV LONDON, on 19 Apr 2017,

Spencer Yule



**This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.**

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## **THE SCHEDULE OF APPROVAL**

### **1. PRODUCT DESCRIPTION:**

#### **B-15 Class Extent of Bulkhead**

Composed of FyreWrap SFR2 Blanket (glass fibre blanket covered with aluminium foil reinforced with glass fibre net (type E), on both faces), density 96 kg/m<sup>3</sup>, thickness 25 mm, pinned on 3 verticals and 1 horizontal metallic supports (i.e. steel angle bar). The vertical metallic supports are welded on the top of the bulkhead (top steel profil) and below the deck.

Horizontal pin spacing on supports : 200 mm.

Minimum overlap at insulating material vertical joint : 100 mm.

### **2. DOCUMENTS AND DRAWINGS:**

As per the Manufacturer's drawings N° 03 2003 rev. A.

### **3. TEST REPORTS:**

Test report N° 575/03/A/NP/R 102, dated 02.09.2003, as per IMO FTP Code, Part 3, from GERBAM Laboratories, France.

### **4. APPLICATION / LIMITATION:**

4.1 - The fitting aboard to be the same as used for the test.

4.2 - The following component(s) shall comply with the requirements of MED2014/90/EU, as amended, and be wheelmarked:  
- the insulation material "**FyreWrap SFR2 Blanket**"

### **5. PRODUCTION SURVEY REQUIREMENTS:**

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **UNIFRAX** has declared the following manufacturing site(s):  
either: **UNIFRAX Limited**, Mill Lane, Rainford, St Helens, Meyrseaside, WA 11 8LP, The United Kingdom,  
or : **UNIFRAX France**, 17 Rue Antoine Durafour, F-42420, Lorette - France,  
or : **UNIFRAX India Private Ltd**, 99 k Stone, Ahmedabad Surendrangar Hwy, Lakhtar, Dist. Surendrangar, Gujarat, 382 775, India,  
or : **UNIFRAX Brazil Ltda**, Avenida Independencia, 7033, Bairro Sao Matheus, Vinhedo, SP 13280-000, Brazil.  
or : **UNIFRAX (Suzhou) Limited**, 59 Shiyuang Road, Xushuguan New Zone, 215151 Suzhou, China.

### **6. MARKING OF PRODUCT:**

6.1 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

### **7. OTHERS:**

7.1 - It is **UNIFRAX**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes EC Type Examination Certificate n° 13451/C0 EC issued on 20/09/2013 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*