



Marine & Offshore  
Division

Certificate number: 13425/C1 MED

File number: ACI 1000/333/022

Item number: MED/3.11a

USCG Module B number: 164.107 / 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*

**A CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY**

A-60 Class aluminium bulkhead insulated on both sides with FyreWrap Blanket, density 96 kg/m<sup>3</sup>.

### Requirements:

SOLAS 74 convention as amended, Regulations II-2/9, II-2/3.2

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

IMO MSC/Circ.1120, IMO MSC.1/Circ.1434 and IMO MSC.1/Cic.1435

*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: 13 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:

#### **A-60 Class Aluminium Bulkhead**

Composed of a structural aluminium bulkhead insulated on both sides with mineral wool FyreWrap Blanket, 50 mm thick, nominal density 96 kg/m<sup>3</sup>.

The blankets were mounted horizontally on the unexposed surface and vertically on the exposed surface of the bulkhead. The 610 mm wide mineral wool blankets are compressed to a width of 580 mm.

Maximum distance between fastening pins:

- 240 x 240 mm
- 100 mm at junctions of blankets.

#### **FyreWrapblanket includes :**

Name	Other name (current name)
FyreWrap Blanket	Insulfrax S Blanket
FyreWrap SF Blanket (SF2)	Insulfrax SF (SF2) Blanket
FyreWrap SFR Blanket (SFR2)	Insulfrax SFR (SFR2) Blanket
FyreWrap SWR Blanket	Insulfrax SWR Blanket
FyreWrap Blanket Dur S	Durablanket S
FyreWrap Blanket Dur WR	Durablanket WR
FyreWrap Blanket Dur SF (SF2)	Durablanket SF (SF2)
FyreWrap Blanket Dur SFR (SFR2)	Durablanket SFR (SFR2)

### 2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's drawings n° 03 2002-1 & 2 dated 16.06.2003.

### 3. TEST REPORTS:

Test report n° PG11212 Serial n° 9194 dated 01.09.2003 as per IMO FTP Code, Part 3 [testing standard: IMO Resolution A.754 (18)] from DIFT, Denmark.

### 4. APPLICATION / LIMITATION:

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

4.2 - Approval also valid for ships having to comply with the HSC Code (MED Item n° A.1/3.34), for a structural fire protection time of 60 minutes: "Load bearing Aluminium fire-resisting bulkhead 60".

4.4 - The following component(s) shall comply with the requirements of MED2014/90/EU, as amended, and be wheelmarked:  
- the insulation materials "**FyreWrap Blanket**", "**FyreWrap SF Blanket**", "**FyreWrap SFR Blanket**" and "**FyreWrap SWR 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° 13425/C0 EC issued on 13/09/2013 by the Society.

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