



Marine &amp; Offshore

Certificate number: 07789/E0 MED

File number: AC11000/333/002

Item number: MED/3.13

USCG Module B number: 164.109 / 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) 2018/773 of 15 May 2018

*This certificate is issued to:*

**UNIFRAX**

LORETTE - FRANCE

*for the type of product*

**NON-COMBUSTIBLE MATERIALS**

"Insulfrax blanket", "Insulfrax S blanket", "Insulfrax SF blanket", "Insulfrax SF2 blanket", "Insulfrax SFR blanket", "Insulfrax SFR2 blanket"

### Requirements:

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/9, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

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 Marine & Offshore 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: 14 Mar 2024**

**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV LONDON, on 14 Mar 2019,

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 Marine & Offshore. 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 Marine & Offshore 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 available on the internet site [www.veristar.com](http://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 Marine & Offshore 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 :

#### **"Insulfrax blanket", "Insulfrax S blanket"**

Alkaline earth silicate (AES) wool blanket

Nominal density : 64-144 kg/m<sup>3</sup>

Organic content : 1.29 % (measured value for density 64 kg/m<sup>3</sup>) - 0.53 % (measured value for density 144 kg/m<sup>3</sup>)

#### **"Insulfrax SF blanket"**

"Insulfrax blanket" faced with Aluminium foil, 30 µm thick, on one face.

#### **"Insulfrax SF2 blanket"**

"Insulfrax blanket" faced with Aluminium foil, 30 µm thick, on both faces.

#### **"Insulfrax SFR blanket"**

"Insulfrax SF blanket" with aluminium foil reinforced with glass fibre net (type E), on one face.

#### **"Insulfrax SFR2 blanket"**

"Insulfrax SF blanket" with aluminium foil reinforced with glass fibre net (type E), on both faces.

### 2. DOCUMENTS AND DRAWINGS :

2.1 - Product Information Sheets No. U-210 EN Rev. 2 dated July 2012 and C-1462 effective 12/11/2007.

2.2 - Foil faced blankets : Product Information Sheets No. U-214 EN Rev. 1 dated 11/2011.

### 3. TEST REPORTS :

3.1 - **"Insulfrax S blanket"** : test reports N° 346713 Issue N°1 (blanket density 64 kg/m<sup>3</sup>) and N°346714 Issue N°1 (blanket density 144 kg/m<sup>3</sup>), dated 18/12/2014, as per IMO 2010 FTP Code Annex 1 Part 1, from Exova Warringtonfire, UK.

3.2 - **"Insulfrax SF2 blanket"** : test report N° 346716 Issue N°1, dated 18/12/2014, as per IMO 2010 FTP Code Annex 1 Part 1, from Exova Warringtonfire, UK.

3.3 - **"Insulfrax SFR2 blanket"** : test report N° 346715 Issue N°1, dated 18/12/2014, as per IMO 2010 FTP Code Annex 1 Part 1, from Exova Warringtonfire, UK.

### 4. APPLICATION / LIMITATION :

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

### 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,  
 or : **Unifrax I LLC**, 54401 Smilax Road, New Carlisle, Indiana 46552, USA

### 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° 07789/D2 MED issued on 13/03/2018 by the Society.

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