



Marine & Offshore

Certificate number: SMS.MED2.D/48332/E.0

**BUREAU
VERITAS**

Notified Body N° 2690

www.veristar.com

MED 2014/90/EU QUALITY SYSTEM MODULE D CERTIFICATE

This certificate is issued under the French Maritime Authority, in compliance with the 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, to:

UNIFRAX
LORETTE - FRANCE

Summary of the range of the recognition which is detailed in the subsequent page(s):

"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY

"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY

FIRE RESISTING DIVISIONS FOR HIGH-SPEED CRAFT

NON-COMBUSTIBLE MATERIALS

PENETRATIONS THROUGH "B" CLASS DIVISIONS: PIPE, DUCT, TRUNK, etc, PENETRATIONS

This certificate is issued to attest that Bureau Veritas Marine & Offshore, notified body number 2690, did undertake, at the above company's request, an assessment of the quality system for production quality assurance related to the equipment of the type described in EC type-examination (Module B) certificate(s) listed in the subsequent page(s). Bureau Veritas Marine & Offshore, notified body number 2690, has considered that the quality system operated was satisfying the applicable requirements of the Marine Equipment Directive 2014/90/EU as amended.

This certificate will expire on: 10 Dec 2021

For Bureau Veritas Marine & Offshore,

At BV LYON, on 07 Dec 2018,

Yann Krempewicz



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. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore 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 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 electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=6r9yp3d0fz>

BV Mod. Ad.E 618-D June 2017

This certificate consists of 7 page(s)

ANNEX**1. SCOPE****Products**

App. number	Sign date	Validity date	Item designation	Trade name	Comment
07789/D2 MED	13 Mar 2018	21 Jan 2019	NON-COMBUSTIBLE MATERIALS - MED/3.13	"Insulfrax blanket", "Insulfrax S blanket", "Insulfrax SF, SF2, SFR & SFR2 blanket"	
08817/D1 MED	19 Apr 2017	21 Jan 2019	NON-COMBUSTIBLE MATERIALS - MED/3.13	"Insulfrax Board 110LD"	
10372/D1 MED	19 Apr 2017	22 Jul 2019	NON-COMBUSTIBLE MATERIALS - MED/3.13	FyreWrap WR Blanket, nominal density 160 kg/m ³ .	
14036/C2 MED	26 Apr 2017	22 Jul 2019	PENETRATIONS THROUGH "B" CLASS DIVISIONS: PIPE, DUCT, TRUNK, etc, PENETRATIONS - MED/3.27b	B-15 Class bulkhead's PVC pipe penetrations (Restricted application, see §4.1)	
14568/C2 MED	13 Mar 2018	05 May 2021	NON-COMBUSTIBLE MATERIALS - MED/3.13	FyreWrap Blanket, FyreWrap SF Blanket (and SF2), FyreWrap SFR Blanket (and SFR2)	
45750/A1 MED	19 Apr 2017	15 Sep 2021	NON-COMBUSTIBLE MATERIALS - MED/3.13	FYREWRAPE LT WR Blanket	

App. number	Date of issue	Validity date	Item designation	Trade name	Comment
164.109/1121/WCL MED0436TE	15 Dec 2014	14 Dec 2019	NON-COMBUSTIBLE MATERIALS - MED/3.13	FyreWrap SG Blanket	
164.109/1121/WCL MED0503TE	03 Mar 2017	02 Mar 2022	NON-COMBUSTIBLE MATERIALS - MED/3.13	FyreWrap LTFE Blanket, FyreWrap LTFR and FyreWrap LTFR2	
2531-MED-CMC10 003	12 Mar 2018	07 Feb 2022	NON-COMBUSTIBLE MATERIALS - A.1/3.13	FyreWrap LT Blanket	
2531-MED-CMC10 005	12 Mar 2018	03 Mar 2022	NON-COMBUSTIBLE MATERIALS - A.1/3.13	FyreWrap LTF & LTF2 Blanket, FyreWrap LTFR & LTFR2 blanket, FyreWrap LTG & LTG2 blanket	
MED 1450199/M1	26 Mar 2015	01 Oct 2019	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - A.1/3.11a	FyreWrap LT Blanket - Fire-resisting A Class Bulkhead	
MED 1750016/M1	14 Aug 2017	16 Feb 2022	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-60 Steel Bulkhead	
MED 1750100	22 May 2017	21 May 2022	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-60 Steel Deck	
MED 1750101	22 May 2017	21 May 2022	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-60 Steel Bulkhead	
MED 1750103	23 May 2017	22 May 2022	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-60 Aluminium Bulkhead Panels	
MED 1750104	23 May 2017	22 May 2022	"A" CLASS DIVISIONS, DECKS, FIRE INTEG-	FyreWrap LT Blanket insulated A-60 Aluminium	

App. number	Date of issue	Validity date	Item designation	Trade name	Comment
			RITY - MED/3.11a	Deck	
MED 1850047/M1	04 Apr 2018	14 Mar 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-30 Bulkhead	
MED 1850069	18 Apr 2018	17 Apr 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-30 Bulkhead (for restricted applications)	
MED 1850070	18 Apr 2018	17 Apr 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap Marine Blanket Class A-60 Steel Deck	
MED 1850071	18 Apr 2018	17 Apr 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap Marine Blanket Class A-60 Steel Bulkhead	
MED 1850072	19 Apr 2018	18 Apr 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-15 Steel Deck	
MED 1850076	25 Apr 2018	24 Apr 2023	FIRE RESISTING DIVISIONS FOR HIGH-SPEED CRAFT - MED/3.34	FyreWrap LT - AES Wool insulation system for load bearing fire-resisting aluminium Deck 60	
MED 1850099	04 Apr 2018	03 Apr 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-30 Aluminium Deck	
MED 1850100	25 Apr 2018	24 Apr 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-30 Aluminium Bulkhead Panels	
MED 1850101	25 Apr 2018	24 Apr 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-60 Aluminium Deck	
MED 1850102	25 Apr 2018	24 Apr 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-60 Aluminium Bulkhead Panels	
MED 1850103	25 Apr 2018	24 Apr 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-60 Aluminium Bulkhead Panels	
MED 1850104	25 Apr 2018	24 Apr 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT Blanket insulated A-30 Steel Deck	
MED 1850117-M1	28 Jun 2018	27 Jun 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	A-60 steel Bulkhead (insulated with FyreWrap LT Blanket)	
MED 1850118-M1	28 Jun 2018	27 Jun 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	A-60 steel Bulkhead (insulated with FyreWrap LT Blanket) for restricted applications	
MED 1850119-M1	28 Jun 2018	27 Jun 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	A-60 steel Deck (insulated with FyreWrap LT Blanket)	
MED 1850134	25 Oct 2018	24 Oct 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT - AES Wool insulated A-60 steel Bulkhead	
MED 1850135	25 Oct 2018	24 Oct 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap LT - AES Wool insulated A-30 steel Bulkhead	
MED 1850137	25 Oct 2018	24 Oct 2023	FIRE RESISTING DIVISIONS FOR HIGH-SPEED CRAFT - MED/3.34	FyreWrap LT - AES Wool insulation system for non-load bearing fire-resisting aluminium Deck 30	

App. number	Date of issue	Validity date	Item designation	Trade name	Comment
MED 1850138	25 Oct 2018	24 Oct 2023	FIRE RESISTING DIVISIONS FOR HIGH-SPEED CRAFT - MED/3.34	FyreWrap LT - AES Wool insulation system for non-load bearing fire-resisting aluminium Bulkhead 30	
MED 1850148	23 Jul 2018	22 Jul 2023	FIRE RESISTING DIVISIONS FOR HIGH-SPEED CRAFT - MED/3.34	FyreWrap LT - AES Wool insulation system for load bearing fire-resisting aluminium Bulkhead 60	
MED 1850151	31 Jul 2018	30 Jul 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	A-60 corrugated steel Bulkhead (insulated with FyreWrap Marine Blanket)	
MEDB000009S	02 Oct 2015	01 Oct 2020	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - A.1/3.11a	FyreWrap Marine Blanket	
MEDB000009U	02 Oct 2015	01 Oct 2020	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - A.1/3.11a	FyreWrap Marine Blanket Class A-60 Deck	
MEDB000011V	24 Aug 2016	23 Aug 2021	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - A.1/3.11a	A-60 Steel Deck 1 (insulated with FyreWrap Marine Blanket)	
MEDB000011W	24 Aug 2016	23 Aug 2021	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - A.1/3.11a	A-60 Steel Bulkhead 1 (insulated with FyreWrap Marine Blanket)	
MEDB000012A	06 Aug 2016	05 Aug 2021	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - A.1/3.11a	FyreWrap Marine Blanket Class A-60 Bulkhead	
MEDB000012B	06 Aug 2016	05 Aug 2021	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - A.1/3.11a	FyreWrap Marine Blanket Class A-60 Bulkhead (Type 2)	
MEDB0000487	04 Jul 2018	03 Jul 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap Blanket (Insulfrax S) - Class A30 Aluminium Deck	
MEDB00004A3	05 Jul 2018	04 Jul 2023	"A" CLASS DIVISIONS, DECKS, FIRE INTEGRITY - MED/3.11a	FyreWrap Blanket (Insulfrax S) - Class A60 Aluminium Deck	
MEDB00004A4	04 Jul 2018	03 Jul 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap Blanket (Insulfrax S) - Class A30 Aluminium Bulkhead (Restricted)	
MEDB00004A5	05 Jul 2018	04 Jul 2023	"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY - MED/3.11a	FyreWrap Blanket (Insulfrax S) - Class A60 Aluminium Bulkhead (Restricted)	

USCG marking as per US-EC MRA

App. number	Trade name	USCG marking as per US-EC MRA	Comment
07789/D2 MED	"Insulfrax blanket", "Insulfrax S blanket", "Insulfrax SF, SF2, SFR & SFR2 blanket"	164.108 / EC2690 / 07789.D2.MED	
08817/D1 MED	"Insulfrax Board 110LD"	164.109 / EC2690 / 08817.D1.MED	
10372/D1 MED	FyreWrap WR Blanket, nominal density 160 kg/m ³ .	164.109 / EC2690 / 10372.D1.MED	
14036/C2 MED	B-15 Class bulkhead's PVC pipe penetrations (Restricted application, see §4.1)	164.108 / EC2690 / 14036.C2.MED	
14568/C2 MED	FyreWrap Blanket, FyreWrap SF Blanket (and SF2), FyreWrap SFR Blanket (and SFR2)	164.109 / EC2690 / 14568.C2.MED	
164.109/1121/WCL MED0436TE	FyreWrap SG Blanket	164.109/EC1121/WCL MED0436TE/EC2690	
164.109/1121/WCL MED0503TE	FyreWrap LTFE Blanket, FyreWrap LTFR and FyreWrap LTFR2	164.109/EC1121/WCL MED0503TE/EC2690	
2531-MED-CM C10003	FyreWrap LT Blanket	164.109 / EC2531 / CMC10003/ EC2690	
2531-MED-CM C10005	FyreWrap LTF & LTF2 Blanket, FyreWrap LTFR & LTFR2 blanket, FyreWrap LTG & LTG2 blanket	164.109 / EC2531 / CMC10005 / EC2690	
45750/A1 MED	FYREWRAPE LT WR Blanket	164.109 / EC2690 / 45750.A1.MED	
MED 1450199/M1	FyreWrap LT Blanket - Fire-resisting A Class Bulkhead	164.108 / EC0038 / MED1450199M1 / EC2690	
MED 1750016/M1	FyreWrap LT Blanket insulated A-60 Steel Bulkhead	164.108 / EC0038 / MED1750016M1 / EC2690	
MED 1750100	FyreWrap LT Blanket insulated A-60 Steel Deck	164.105 / EC0038 / MED1750100 / EC2690	
MED 1750101	FyreWrap LT Blanket insulated A-60 Steel Bulkhead	164.108 / EC0038 / MED1750101 / EC2690	
MED 1750103	FyreWrap LT Blanket insulated A-60 Aluminium Bulkhead Panels	164.108 / EC0038 / MED1750103 / EC2690	
MED 1750104	FyreWrap LT Blanket insulated A-60 Aluminium Deck	164.105 / EC0038 / MED1750104 / EC2690	
MED 1850047/M1	FyreWrap LT Blanket insulated A-30 Bulkhead	164.108 / EC0038 / MED1850047M1 / EC2690	
MED 1850069	FyreWrap LT Blanket insulated A-30 Bulkhead (for restricted applications)	164.108 / EC0038 / MED1850069 / EC2690	
MED 1850070	FyreWrap Marine Blanket Class A-60 Steel Deck	164.108 / EC0038 / MED1850070 / EC2690	
MED 1850071	FyreWrap Marine Blanket Class A-60 Steel Bulkhead	164.108 / EC0038 / MED1850071 / EC2690	
MED 1850072	FyreWrap LT Blanket insulated A-15 Steel Deck	164.108 / EC0038 / MED1850072 / EC2690	
MED 1850099	FyreWrap LT Blanket insulated A-30 Aluminium Deck	164.105 / EC0038 / MED1850099 / EC2690	
MED 1850100	FyreWrap LT Blanket insulated A-30 Aluminium Bulkhead Panels	164.108 / EC0038 / MED1850100 / EC2690	
MED 1850101	FyreWrap LT Blanket insulated A-60 Aluminium Deck	164.105 / EC0038 / MED1850101 / EC2690	

App. number	Trade name	USCG marking as per US-EC MRA	Comment
MED 1850102	FyreWrap LT Blanket insulated A-60 Aluminium Bulkhead Panels	164.108 / EC0038 / MED1850102 / EC269	
MED 1850103	FyreWrap LT Blanket insulated A-60 Aluminium Bulkhead Panels	164.108 / EC0038 / MED1850103 / EC2690	
MED 1850104	FyreWrap LT Blanket insulated A-30 Steel Deck	164.105 / EC0038 / MED1850104 / EC2690	
MED 1850117-M1	A-60 steel Bulkhead (insulated with FyreWrap LT Blanket)	164.108 / EC0038 / MED1850117-M1 / EC2690	
MED 1850118-M1	A-60 steel Bulkhead (insulated with FyreWrap LT Blanket) for restricted applications	164.108 / EC0038 / MED1850118-M1 / EC2690	
MED 1850119-M1	A-60 steel Deck (insulated with FyreWrap LT Blanket)	164.108 / EC0038 / MED1850119-M1 / EC2690	
MED 1850134	FyreWrap LT - AES Wool insulated A-60 steel Bulkhead	164.107 / EC0038 / MED1850134 / EC2690	
MED 1850135	FyreWrap LT - AES Wool insulated A-30 steel Bulkhead	164.107 / EC0038 / MED1850135 / EC2690	
MED 1850151	A-60 corrugated steel Bulkhead (insulated with FyreWrap Marine Blanket)	164.108 / EC0038 / MED1850151 / EC2690	
MEDB000009S	FyreWrap Marine Blanket	164.109 / EC0575 / MED000009S / EC2690	
MEDB000009U	FyreWrap Marine Blanket Class A-60 Deck	164.105 / EC0575 / MED000009U / EC2690	
MEDB000011V	A-60 Steel Deck 1 (insulated with FyreWrap Marine Blanket)	164.105 / EC0575 / MED000011V / EC2690	
MEDB000011W	A-60 Steel Bulkhead 1 (insulated with FyreWrap Marine Blanket)	164.107 / EC0575 / MED000011W / EC2690	
MEDB000012A	FyreWrap Marine Blanket Class A-60 Bulkhead	164.107 / EC0575 / MED000012A / EC2690	
MEDB000012B	FyreWrap Marine Blanket Class A-60 Bulkhead (Type 2)	164.107 / EC0575 / MED000012B / EC2690	
MEDB0000487	FyreWrap Blanket (Insulfrax S) - Class A30 Aluminium Deck	164.105 / EC0575 / MED0000487 / EC2690	
MEDB00004A3	FyreWrap Blanket (Insulfrax S) - Class A60 Aluminium Deck	164.105 / EC0575 / MED00004A3 / EC2690	
MEDB00004A4	FyreWrap Blanket (Insulfrax S) - Class A30 Aluminium Bulkhead (Restricted)	164.108 / EC0575 / MED00004A4 / EC2690	
MEDB00004A5	FyreWrap Blanket (Insulfrax S) - Class A60 Aluminium Bulkhead (Restricted)	164.108 / EC0575 / MED00004A5 / EC2690	

2. LIMITATIONS

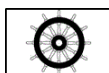
The EC type-examination certificates listed in the scope are to be valid.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to the quality system in order to agree on appropriate actions.

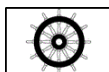
UNIFRAX has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

UNIFRAX must draw up a written EC declaration of conformity to type in compliance with the article 16 of the MED 2014/90/EU.

UNIFRAX must affix the mark of conformity in compliance with the articles 9 and 10 of the MED 2014/90/EU taking into consideration the 2 following examples:



2690/XXXX *Where XXXX is the year in which the mark is affixed or*



2690/ZZ *Where ZZ are the two last digits of the year in which the mark is affixed.*

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

UNIFRAX - LORETTE - FRANCE

UNIFRAX FRANCE usine AMBERT - AMBERT - FRANCE

4. REMARKS

No particular remark.

*** END OF CERTIFICATE ***