



Marine & Offshore

Certificate number: 35093/B0 MED

File number: AC1000/514/002

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) 2018/773 of 15 May 2018

This certificate is issued to:

DUTCH MARINE SYSTEMS B.V.
SCHAIJK - NETHERLANDS

for the type of product

"A" CLASS DIVISIONS, BULKHEADS, FIRE INTEGRITY
DMS A-60 Lightweight Class Bulkhead with FERMACELL panels

Requirements:

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

IMO MSC.307(88) -(2010 FTP Code)-

IMO MSC/Circ.1005 , IMO MSC/Circ.1120, IMO MSC.1/Circ.1434 and IMO MSC.1/Circ.1435

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: 17 May 2024

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV GRONINGEN, on 17 May 2019,

John Mondt



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. 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:

D.M.S. A-60 CLASS LIGHT WEIGHT BULKHEAD

The bulkhead is composed on both sides of 12.5 mm thick "**FERMACELL Fire panel A1**" boards (nominal density 1150 kg/m³; manufactured by Fermacell GmbH, Deutschland) encapsulating a 60 mm thick insulating rock woll "**PAROC Pro Slab 40**" (nominal density 40 kg/m³; manufactured by PAROC Group Oy, Finland).

Panels are fixed at top and bottom with horizontal profiles type U-stud 75x0.6 and every 600 mm to vertical profiles type C-stud 75x0.6, using self tapping screws with a 250 mm spacing.

The panels are sealed with dry-wall joint tape "FERMACELL TE" and the joints are finally covered with "FERMACELL joint filler" on the unexposed side.

Total thickness of bulkhead: 100 mm

Maximum "FERMACELL Fire panel A1" dimensions: 1200 x 2490 x 12.5 mm (width x height x thickness).

2. DOCUMENTS AND DRAWINGS :

As per Manufacturer's drawings "DMS - 60 min. wall - 100mm" (7 sheets) included in Manufacturer's "Manual D.M.S. A-60 Class Bulkhead" version December 2012.

3. TEST REPORTS :

Test report N° P1213/12-530-3 dated 15/03/2013, as per IMO 2010 FTP Code Annex 1 Part 3, from ZAG LJUBLJANA, Slovenia.

4. APPLICATION / LIMITATION :

4.1 - Installation in such division of fire doors, penetrations, windows, etc. shall be submitted on a case by case basis.

4.2 - This bulkhead shall extend from deck to deck.

4.3 - May be used as A-60 class light-weight division on board SOLAS vessels in accommodation and service spaces provided that no load bearing division is required. Not to be used as main vertical bulkhead, nor staircases boundaries.

4.4 - The division has only been evaluated with respect to its fire technical properties.

4.5 - Installation details of the connection with decks are to be submitted on a case by case basis.

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

4.7 - The following component(s) shall comply with the requirements of MED2014/90/EU, as amended, and be wheelmarked:

- the insulating materials "**FERMACELL Fire panel A1**" and "**PAROC Pro Slab 40**".
- any added finish surface material(s).

5. PRODUCTION SURVEY REQUIREMENTS :

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 module E Product Quality Assurance or module 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.

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 **DUTCH MARINE SYSTEMS B.V.**'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° 35093/A0 EC issued on 04/12/2013 by the Society.

*** END OF CERTIFICATE ***

DUTCH MARINE SYSTEMS