



Marine & Offshore

Certificate number: 20358/C0 MED

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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

FIRE DOORS

B-30 CLASS FIRE RESISTANT SINGLE LEAF HINGED DOOR

Requirements:

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

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.1319

IMO MSC.1/Circ.1511

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 is a renewal of certificate N° 20358/B0 EC expiring on 15/06/2019

This certificate will expire on: 15 Jun 2024

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV GRONINGEN, on 29 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:

B-30 CLASS FIRE RESISTANT SINGLE LEAF HINGED DOOR

The door leaf is made of a peripheric frame made of welded aluminium square tube 25 x 25 x 2 mm and 15 x 25 x 2 mm (on the lock edge), filled with 25 mm thick rock wool type "**CNF BOARD M7**" (former "**TERVOL DP-7**"; nominal density 70 kg/m³; manufactured by Knauf Insulation d.o.o.).

The assembly is covered on both sides (including edges) with 5 mm thick "**Glass Reinforced GYPSUM**" boards (nominal density 1360 kg/m³; manufactured by VARI BVBA, Belgium). No adhesive is used in the assembly.

The door leaf is connected to the door frame by 3 stainless steel hinges.

Total thickness of the door leaf:	35 mm
Maximum clear opening:	2012 x 899 mm (height x width)
Maximum door leaf size:	2018 x 924 mm (height x width)

The three-sided door frame consists of 1.5 mm thick U-profile steel insulated with rock wool "**U SeaProtect Slab 36**" (former "**ULTIMATE U MPN 36**"; nominal density 36 kg/m³; manufactured by Isover Saint-Gobain) fitted with an intumescent strip type "**PYROPLEX PP25**" all around the inside perimeter.

The frame, with outer dimensions 2060 x 1000 mm, is fitted to the bulkhead by steel clamping brackets with internal M6 wrenching bolts.

Integrity criteria satisfied for:	31 minutes
Insulation criteria satisfied for:	31 minutes

The door was tested into a "D.M.S. - B-15 / B-30 Class Bulkhead" made of two 12 mm thick non combustible vermiculite panels encapsulating a 40 mm thick mineral wool.

2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's drawings "DMS B-30 firedoor" (3 sheets) dated 18/01/2008.

3. TEST REPORTS:

Test report N° P 0109/08-530-3, dated 22/02/2008, as per IMO FTP Code Annex 1 Part 3 [test standard: IMO Resolution A.754(18)] from ZAG LJUBLJANA, Slovenia.

4. APPLICATION / LIMITATION:

- 4.1 - Openings made in or under doors must have a total net area not exceeding 0,05 m².
- 4.2 - The fitting aboard to be the same as used for the test.
- 4.3 - The following components shall comply with the requirements of MED 2014/90/EU, and be wheelmarked :
 - the insulating materials "**CNF BOARD M7**" and "**Glass Reinforced GYPSUM**".
 - 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° 20358/B0 EC issued on 21/05/2014 by the Society.

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

DUTCH MARINE SYSTEMS