



Certificate number: 11201/C1 EC

File number: ACI 1000/227/017

Annex A1 Item number: A.1/3.11b

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
as amended by Commission Directive 2012/32/EU*

This certificate is issued to

MAPAC PANEL
MACHECOUL - FRANCE

for the type of product

"B" CLASS DIVISIONS, BULKHEAD PANELS, FIRE INTEGRITY
B-15 Class Bulkheads, type "30 DF-DP"

Requirements:

SOLAS 74 convention as amended, Regulations II-2/9, II-2/3.4

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

IMO MSC/Circ.1120

This certificate is issued under the French Maritime Authority 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 Council Directive 96/98/EC of 20 December 1996 as amended.


This certificate will expire on: 29 Aug 2016

For BUREAU VERITAS Notified Body 0062,

At BV NANTES, on 19 Dec 2013,

Joel Gaurin



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 B 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 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:

B-15 Class Bulkheads, type "30 DF-DP"

Composed of Rockwool Isolation S.A. mineral wool panels, 28.6 mm thick, faced with steel sheets, 0.7 mm thick on both sides. Each panel is formed by a main core of mineral wool and 2 vertical edges of higher density. The steel sheets are glued to the insulating core.

Vertical joints between panels: the steel sheets are bent around the longitudinal edges of the panels forming a key, 14 mm long, and a groove 16 mm deep, respectively along each edge (distance from key to the edge 8.5 mm).

Maximum panel size: 600 x 2480 x 30 mm
Total thickness of bulkhead: 30 mm.

Non-combustible material:

"**Rockwool 360**" (main core), density 175 kg/m³, and "**Rockwool 200**" (vertical edges), density 200 kg/m³, manufactured by Rockwool Isolation S.A, France.

Adhesives:

- bi-components polyurethane glue, type "Macroplast UK 8103 (B30) / UK 5430", manufactured by Henkel France S.A., France.
- one component polyurethane glue, type "ISOLEMFI 3104 MONO", manufactured by EMFI S.A., France.

2. DOCUMENTS AND DRAWINGS:

None.

3. TEST REPORTS:

Test report N° PG 10867, dated 31.05.2001 (test date 14.02.2001) as per IMO FTP Code, Annex 1, Part 3 [IMO Resolution A.754(18)] from DIFT Laboratories, Denmark.

4. APPLICATION / LIMITATION:

4.1 - The fitting aboard to be the same as used for the test.
4.2 - Flame spread, smoke characteristics and calorific value of the lining to be as per applicable regulations.
4.3 - The tolerance on the insulating materials densities used shall be $\pm 10\%$.
4.4 - The «**Rockwool 360**» and "**Rockwool 200**" shall comply with the requirements of MED 96/98/EC as amended, to the satisfaction of the ship's flag administration for acceptance of the bulkhead on board the concerned ship.

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 E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

6. MARKING OF PRODUCT:

Markings as per MED 96/98/EC:

☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the materials at any time and that the applicant will accept full responsibility for informing shipbuilders, shipowners and 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° 11201/C0 EC issued on 29/08/2011 by the Society.

*** END OF CERTIFICATE ***