



Marine & Offshore

Certificate number: 12831/F0 MED

File number: ACI 1000/094/006

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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) 2023/1667 of 8 Aug. 2023

This certificate is issued to:

ASAHI FIBER GLASS CO., LTD.

7F Kanda Mitsubishi Bldg., 3-6-3, Kandakajicho, Chiyoda-ku, 101-0045, Tokyo, JAPAN

for the type of product

NON-COMBUSTIBLE MATERIALS

Glasron Wool ALGC16, ALGC20, ALGC24 and ALGC32

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

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: 01 Apr 2029**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV KOBE, on 01 Apr 2024,

Shinichi Takemoto

This certificate was created electronically and is valid without signature



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:

Glasron Wool ALGC16, ALGC20, ALGC24 and ALGC32

Glass wool glued by SBR resin adhesive, weight: 45g/m², to an aluminium foil, (20 ± 2) µm thick, reinforced by a glass cloth, (85 ± 9) g/m².

The glass wool contains 92.0~98.0% (± 1.0%) Glass and 2.0~8.0% (± 1.0%) Phenol resin (Weight ratio).

Maximum organic content: 8.68% at the tested density 32.67 kg/m³

5.81% at the tested density 18.76 kg/m³

Nominal density: ALGC16: 16 kg/m³, ALGC20: 20 kg/m³, ALGC24: 24 kg/m³ and ALGC32: 32 kg/m³

2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's product specifications, Doc.No. ALGC16-Rev.0 and Doc.No. ALGC32-Rev.1 both dated 28/12/2018.

3. TEST REPORTS:

3.1 - Test report No. 18-387(E) dated 17/12/2018, as per IMO 2010 FTP Code Annex 1 Part 1, from RIME, Japan.

3.2 - Test report No. 17-329(E)-Rev.1 dated 17/12/2018, as per IMO 2010 FTP Code Annex 1 Part 1, from RIME, Japan.

4. APPLICATION / LIMITATION:

4.1 - The fitting aboard should be the same as described in §1.

4.2 - The products may be used as an integrated part of approved fire resisting divisions only when tested as such.

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 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.

5.2 - For information concerning the production phase modules, **ASAHI FIBER GLASS Co., Ltd.** has declared the following manufacturing site:

ASAHI FIBER GLASS CO., Ltd. Shonan Plant
6-11-1, Ichinomiya, Samukawa-machi, Koza-gun, 253-0111 JAPAN

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 amended by Decision 1/2018 of 18 February 2019, 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 **ASAHI FIBER GLASS Co., Ltd.**'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 No.12831/E0 MED issued on 08/02/2019 by the Society.

*** END OF CERTIFICATE ***