



Certificate number: 31629/A1 EC

File number: ACI 1360/001/009

Annex A1 Item number: A.1/3.18d

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

Armacell GmbH
Münster - GERMANY

for the type of product

SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS: PIPE INSULATION COVERS ARMAFLEX ULTIMA

Requirements:

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/6, II-2/9, X/3
IMO Resolution MSC.97(73) - (2000 HSC Code) 7
IMO MSC.307(88) (2010 FTP Code) Annex 1 Part 2 and Part 5, Annex 2
IMO MSC/Circ.1120
ISO 1716 (2010)

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: 25 Mar 2018

For BUREAU VERITAS Notified Body 0062,

At BV HAMBURG, on 04 Jun 2014,

Udo Storm



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 :

"ARMAFLEX ULTIMA" - Insulation material for piping

Insulating material for piping* made up of closed-cell elastomeric foam based on synthetic rubber

- Nominal density: 50-65 kg/m³
- Color: blue
- Thickness: 3mm to 25mm
- Either glued to pipes with adhesive 'Armaflex adhesive Blue' (density 0.9g/cm³) or self-adhesive coating on modified acrylate basis.

* Application limited as per § 4.

2. DOCUMENTS AND DRAWINGS :

As per Manufacturer specifications given in test reports in §3.

3. TEST REPORTS :

Test report as per IMO Resolution 307(88) - FTPC 2010 Part 5, from Exova Warringtonfire, United Kingdom

- n° 320374, dated 25/07/2012
- n° 320377, dated 02/08/2012
- n° 320375, dated 02/08/2012
- n° 320376, dated 02/08/2012

4. APPLICATION / LIMITATION :

- 4.1 - For use as insulating material in refrigeration systems and chilled water piping for air-conditioning systems.
- 4.2 - In addition, the specimens tests results are showing compliance with FTP Code Annex 2 paragraph 2-2 for smoke & toxicity requirements.
- 4.3 - Calorific value to be less than 45 MJ/m² as per ISO 1716, when required.
- 4.4- The fitting aboard to be the same as used for the test.
- 4.5- Acceptable for use on any metallic substrate (complying with the requirements of MED 96/98/EC as amended) having a thickness of at least 1 mm.

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 Manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate supersedes EC Type Examination Certificate N° 31629/A0 EC previously issued by the Society.

*** END OF CERTIFICATE ***