



Marine & Offshore

Certificate number: 12203/D0 MED

File number: PPE 50679/01

Item number: MED/1.7

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

www.veristar.com

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:

I.C. BRINDLE & CO. LTD

Broadstone - UNITED KINGDOM

for the type of product

THERMAL PROTECTIVE AIDS

Thermal Protective Aids "AV-3" and "AV-3a"

Requirements:

SOLAS 74 Convention as amended, Regulations III/4, X/3, III/22, III/32 and III/34

IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89), MSC.368(93) and MSC.425(98) I, II

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8

IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89), MSC.378(93) and MSC.427(98)

IMO MSC/Circ.980 and IMO MSC/Circ.1046

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: 30 Aug 2023

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV LONDON, on 30 Aug 2018,

Spencer Yule



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

"AV-3" and "AV-3a" are Thermal Protective Aids for Survival Craft, designed to reduce the loss of vital body heat and the risk of hypothermia during emergency situations at sea.

They are designed to accommodate a person wearing a lifejacket.

"AVMAR T.P.A. AV-3" is of bag type.

"AVMAR T.P.A. AV-3a" has two arms incorporated into the design.

Both models are fitted with a zipper.

Both models are packed in a vacuum sealed clear plastic bag, which contains clear instructions.

2. DOCUMENTS AND DRAWINGS

2.1 Drawings

Description	Drawing Number	Revision	Date
TPA AV-3A (with arms)	TPA/1/3A	4	04/08
TPA AV-3 (without arms)	TPA/2/3	4	04/08

2.2 Technical File

Description	Revision	Date
Thermal Protective Aid's AV3 (without arms) - AV-3a (with arms)	5	11/06/2018
TPA Fabric: "Rolamit Standard 70 (Quality PE yellow or green)", two layers polyethylene film, manufactured by Pavag Follen A.G., Switzerland	Test report 9451/HPM005/ A249/LP	14/03/2002

2.3 Manual for installation, use and maintenance

3. TEST REPORTS

DATE		TEST
2002-05-27	AER/FTL/711	"evaluation of thermal protective aid to MSC 81(70)" Type tests performed at Fleetwood Testing Laboratory, U.K.
2002-06-12	AER/FTL/711a	"Part evaluation of thermal protective aid to MSC 81(70)"
2002-03-14	9451/HPM005/A249/LP	tested against Thermal Conductivity, in accordance with BS 4745 :1990 (ISO 5085-1 :1989), by BTTG, England,

4. APPLICATION / LIMITATION

- As per requirements stated on front page of this certificate.
- Each Thermal Protective Aids will be supplied with its instructions for use, inspections and on-board maintenance complying with requirements stated on the front page of this certificate.

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" or E "Product Quality Assurance" or 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.

For information concerning the production phase modules, **I.C. BRINDLE & CO. LTD** has declared the following manufacturing places :

I.C. BRINDLE & CO. LTD
15 Moor Road Broadstone
DORSET BH18 SAZ

United Kingdom

6. MARKING OF PRODUCT

The Thermal Protective Aids shall bear the following marks:

- Manufacturer name or logo
- Type designation
- Date of manufacture (last two digits of year mark affixed)
- 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).

7. OTHERS

It is **I.C. BRINDLE & CO. LTD** 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.

This certificate supersedes the previous Type Examination Certificate N° 12203/C0 EC issued on 29/03/2012 by the Society.

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