



Marine & Offshore

Certificate number: 13908/E0 BV

File number: FAB 2017/8

Product code: 9065H

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

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**PENNEL & FLIPO**  
MOUSCRON - BELGIUM

*for the type of product*

**PROOFED FABRICS FOR INFLATABLE CRAFTS**

ORCA 866 - Polyester High Tenacity 1670 dtex 1500 deniers

### Requirements:

International Standard ISO 6185-3:2024

International Standard ISO 6185-4:2011

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

*This certificate is a renewal of certificate N° 13908/D0 BV expiring on 08/08/2024*

**This certificate will expire on: 08 Aug 2029**

**For Bureau Veritas Marine & Offshore,**

At BV ANTWERP, on 15 Jul 2024,

Nele Appels

***This certificate was created electronically and is valid without signature***



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. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://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 electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=w4xooj7chw>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION :

ORCA 866 is a coated fabric intended to be used for inflatable/inflated hull of boats.

<b>Basic Fabric</b>	Polyester High Tenacity 1670 dtex – 1500 deniers
<b>Coating exterior</b>	Chlorosulfonated Polyethylene (CSM) / Polychloroprene (CR)
<b>Coating interior</b>	Polychloroprene (CR)

### 2. DOCUMENTS AND DRAWINGS :

- As per the Technical specifications listed:

Designation	Technical specification	Revision	Date
ORCA 866	DOC.COM/ 5 / B – 15/04/09	23	02/05/2017

*No departure from these documents is permitted without the prior consent of the Society.*

### 3. TEST REPORTS :

- As per the Test reports listed:

Number	Description	date
1307997	Type tested by the manufacturer by the manufacturer's laboratory	04/05/2004
313690	Low temperature resistance test and ozone test by the "Laboratoire de recherche et de contrôle du caoutchouc et des plastiques"	26/04/2004
----	Test report according to ISO 15732:2000	04/05/2007
---	Tear strength test (ISO 4674-1)	12/07/2019
---	Resistance to cold test (ISO 4675)	04/05/2007

### 4. APPLICATION / LIMITATION :

- As per requirements of regulations stated on front page of this certificate.
- Intended to be used for inflatable/inflated tube not more than 1300 mm of diameter of boats.
- According to the Manufacturer recommendation, the length of the boat should be not more than 8 meter according to the ISO standard 6185-3 or it should be more than 8 m and not more than 24 meter according to the ISO standard 6185-4.
- Not intended to be used for boats with one inflatable chamber, and for boats with buoyancy less than 1800N.
- Not intended to be used for inflatable liferaft.

### 5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The coated Fabric are to be supplied by **PENNEL & FLIPO** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **PENNEL & FLIPO** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **PENNEL & FLIPO** has declared to Bureau Veritas the following production site(s):

PENNEL & FLIPO - Boulevard de l'Eurozone, 102 7700 Mouscron, BELGIQUE

### 6. MARKING OF PRODUCT :

The Fabric is to be marked in such a manner as to allow traceability of the fabric Manufacturer and production Lot number, i.e. :

- Trade name
- Batch number
- Date of manufacture
- BV Type Approval Certificate number

### 7. OTHERS :

It is **PENNEL & FLIPO** 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 EC Type Examination Certificate N° 13908/D0 BV issued by the society on 08/08/2019.

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