



Marine & Offshore

Certificate number: 19599/D0 BV

File number: FAB 2017/7

Product code: 9067H

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 RESCUE BOAT

ORCA 828 : Coated fabrics for professional, military and rescue boat

Requirements:

ISO 15372:2000 and ISO 15372:2000/AMD 1:2021

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 will expire on: 09 May 2027

For Bureau Veritas Marine & Offshore,

At BV ANTWERP, on 09 May 2022,

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. 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: <https://www.veristarp.com/veristarnb/jsp/viewPublicPdfTypec.jsp?id=qn8alxldo>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

ORCA 828 is a Coated fabrics for professional, military and rescue boat.

Basic Fabric	Polyester high tenacity 1100 dtex - 990 deniers
Coating exterior	Chlorosulfonated Polyethylene (CSM)/Polychloroprene (CR)
Coating interior	Polychloroprene (CR)

2. DOCUMENTS AND DRAWINGS :

- As per the Technical specifications listed:

Designation	Technical specification	Revision	Date
ORCA® 828	DOC.COM/ 5 / B – 15/04/09	20	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
C313-690	"Ozone" test by the "Laboratoire de recherche et de contrôle du caoutchouc et des plastiques"	16 April 2004
C315-442	"Resistance to flex cracking" test by the "Laboratoire de recherche et de contrôle du caoutchouc et des plastiques"	20 Arpil 2007
-----	Type tested by the house laboratory of PENNEL & FLIPO, France, as per "Test report According to Norme ISO 15372:200(E)"	04 May 2007

4. APPLICATION / LIMITATION :

- The scope of the appraisal made by Bureau Veritas to issue this certificate is strictly restricted to the relevant requirements stated on the front page of this certificate.
- Application/ limitation as per product description and requirements stated on front page of this certificate.
- The certificate cover the ORCA® 828 range of colors.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The fabrics 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
- serial number
- date of manufacture
- BV approval.

7. OTHERS :

It is **PENNEL & FLIPO** '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.

This Certificate supersedes Type Approval Certificate N° 19599/C0 BV issued on 01/06/2017 by the Society.

*** END OF CERTIFICATE ***