



Certificate No:
TAK000024G

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Coated Fabrics for Inflatable Boats

with type designation(s)
H1500

Issued to

Viking Life-Saving Equipment A/S
Esbjerg V, Denmark

is found to comply with

ISO 6185-3:2014 Inflatable boats – Part 3: Boats with a hull length less than 8 m with a motor rating of 15 kW and greater

Application :

Coated fabrics for use in the construction of inflatable boats.

Issued at **Høvik** on **2022-05-13**

This Certificate is valid until **2027-05-12** .

DNV local unit: **Denmark CMC**

for **DNV**

Approval Engineer: **Gisle Hersvik**

.....
Gustav Heiberg
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 281

Revision: 2021-10

www.dnv.com

Page 1 of 2

Product description

Coated fabrics for use in the construction of inflatable boats, flexible floor and buoyancy tube: **H1500**

Basic fabric / Reinforcement	Polyester 350 g/m ²
Coating, exterior	Chlorosulfonated Polyethylene (CSM)
Coating, interior	Polychloroprene (CR)
Color	Orange (exterior) / Grey (interior)
Fabric weight	1500 ± 150 g/m ²

Application/Limitation

This Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV.

The application and maintenance of the products shall be as per manufacturer's recommendations.

Adhesives and/or thermal-welding techniques consistent with the fabric manufacturer's recommendations shall be used.

The certificate covers the range of colours stated above.

Any significant changes in design and / or quality of the material will render the approval invalid.

Type Approval documentation

Tests carried out

Type testing carried out in accordance with **Type Approval documentation**, as per ISO 6185-3 (5 Structural Materials, 5.2 Materials making up the flexible floor and buoyancy tube): Resistance to liquids (ISO 1817:2015), Resistance to ozone (ISO 3011:2021), Resistance to cold (ISO 4675:1990), Tear strength (ISO 4674-1:2003, method B), Coating adhesion (ISO 2411:2017) and Seam strength testing of buoyancy chambers.

Marking of product

Product/package shall be marked with:

- manufacturer's name, place of production
- type designation/trade name
- batch number/serial number. date of manufacture

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV Type Approval Certificate.

Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to the product design or choice of materials.

Periodical assessments (for Certificate Retention / Certificate Renewal) shall be performed according to DNV-CP-0338.

This certificate is only valid if required Periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE