

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00006X1

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket: (b) Immersion suit with inherent insulation

with type designation(s)
XTBFK-I, XTBFK-II, XTBFK-III

Issued to

Wuxi Xingtai Shipping Equipment Co., Ltd.
Jiangyin, 100, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2020/1170,
item No. MED/1.6b. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8, IMO MSC/Circ.1046.

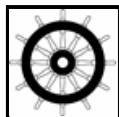
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-03-03**.

Issued at **Hamburg** on **2021-03-04**

DNV local station:
Jiangyin NB & CMC

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for **DNV SE**

.....
Christine Mydlak-Roeder
Head of Notified Body

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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.



Product description

XTBKF-I, XTBKF-II, XTBKF-III is an insulated immersion suit, manufactured in three versions. It is fitted with buoyancy pillow, lifting loop, lifejacket light, whistle and lifeline. The suits and gloves are made of waterproof neoprene. The suits have orange colour and are available in 3 sizes.

Main fabric	XTBKF-I / XTBKF-III: Waterproof Polyester Fibre Oxford / Suzhou Mingwei Textile Co.,Ltd XTBKF-II: Fire-retarded Chloroprene Rubber / Suzhou Chenjiali Polymer Materials Co.,Ltd
Buoyancy foam	XTBKF-I / XTBKF-III: PVC foam / Zhangjiagang Sanxin Plastic Co., Ltd
Main zipper	Jangyin Fuya Machinery Co.,Ltd

For further details please see under Type Examination documentation.

Application/Limitation

XTBKF-I, XTBKF-II, XTBKF-III are approved to be used without a lifejacket.

Position indicating light and retro-reflective materials of the suit shall be approved in accordance with the Marine Equipment Directive and be "wheelmarked".

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81) and IMO Res. MSC.218(82).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), Part 2.

This certificate is a renewal of the MED-B certificate 94097-10 HH issued by DNV GL.

Type Examination documentation

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70), Part 1, including IMO Res. MSC.200(81), IMO Res. MSC.226(82) and IMO Res. MSC.323(89).

Marking of product