

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL 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:
Immersion suit with inherent insulation**

with type designation(s)
HXF-1, HXF-2

Issued to

**Suzhou Haixing Maritime Equipment Co., Ltd.
Wujiang 100, China**

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

Regulation **(EU) 2017/306,**
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.

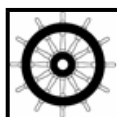
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-06-12.**

Issued at **Hamburg** on **2017-12-14**

DNV GL local station:
Shanghai CMC

Approval Engineer:
Peter Zell



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzsus
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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

The HXF-1 and HXF-2 are insulated immersion suits, designed to be worn without a lifejacket.
Size: M: 150 cm to 170 cm, L: 170 cm to 190 cm, XL: 190cm to 205 cm.
Gloves can't separate from the body.

Materials:

HXF-1: Body is made of Nylon with PU coating together with layers of Polyester taffeta, Aluminizer and Polyvinyl chloride (PVC) T-A400. Gloves are made of waterproof neoprene.
HXF-2: Body and gloves are made of waterproof neoprene.

Application/Limitation

Position indicating light and retro-reflective materials 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.

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