

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: (a) Immersion suit without inherent insulation

with type designation(s)
Thermal Protective Suit

Issued to
Hansen Protection AS
MOSS, Norway

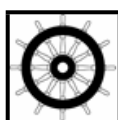
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/1.5a. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8, IMO MSC/Circ.1046.

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

This Certificate is valid until **2025-01-07**.

Issued at **Høvik** on **2020-01-08**

DNV GL local station:
Norway Fleet in Service, East-South



for **DNV GL AS**

Approval Engineer:
Tessa Bieber

Notified Body
No.: **0575**

Roald Vårheim
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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Thermal Protective Suit

is an non-insulated immersion suit. The suit outer shell is made of waterproof polyester with the hood and gloves of waterproof neoprene. The colour of the suit is orange and black.

Application/Limitation

- Non-insulated immersion suit is to be worn with warm clothing and a lifejacket approved in accordance with the Marine Equipment Directive and be "wheelmarked".
- 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(80), IMO Res. MSC.226(82) and IMO Res. MSC.323(89).

Marking of product