



DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2008/67/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. **MED-B-5956**

This is to certify that the
Immersion suits and anti-exposure suits - insulated or not insulated


with type designation(s)
E300-2

Manufacturer
Helly Hansen Pro AS
MOSS, Norway

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/1.5 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8

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

Høvik, 2010-02-24
for Det Norske Veritas AS


for **Eivind Mykland**
Head of Department



Notified Body No.: **0575**

DNV local office:
Sandefjord

This Certificate is valid until
2014-09-08




Tessa Biever
Surveyor



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.



Certificate No.: MED-B-5956
Item No.: A.1/1.5
Job Id.: 344.1-001957-3

Product description

E-300-2 anti-exposure suit constructed with soft buoyancy foam and fitted with lifting strap, buddy line, light, whistle and removable fingered gloves.

Main fabric: 2678 FR/OR PU 210 Denier 57" wide Int. by Uretek Inc.
Orange
Buoyancy foam: S11.70 by Alcan Airex AG
Zipper: G2 SHF PU35 SDO-CR U25 by Dynat GMBH

Application/Limitation

- Position indicating light shall be approved in accordance with the Marine Equipment Directive and be "wheelmarked".
- Production tests shall be conducted in accordance with IMO Res. MSC.81(70), part 2.

Type Examination documentation

This certificate replaces certificate MED-B-5513.

The following documentation is basis for the DNV approval:

- Helly Hansen Specification for E-300-2, issue 35, dated 1999-05-07.
- Letter from NMD 1998-08-14.
- SINTEF test report STF23 F96028, "Thermal protective properties of HH Insulated immersion suit E-307", dated 1995-05-24.
- SINTEF test report from strength testing, dated 1999-05-10.
- SINTEF test certificate on Helly Hansen E 307, dated 1997-05-10.
- Uretek, Inc. testreport 1997-09-17. Product 2678.
- VTT Kjemisk Teknikk, test report no. KET3230/97.

Tests carried out

- Tested in accordance with Revised Recommendation on Testing of Life-Saving Appliances, IMO Resolution MSC.81(70), part 1, as specified by Type Examination Documentation above
- Complying with new requirements according to MSC.207(81)

Marking of product

The product is to be indelibly marked with name of manufacturer, type designation, dimensions and date of manufacture. The marking shall comply with the LSA Code (IMO Res. MSC 48(66)), item 1.2.2.9.

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a of Certificate Conformity.

END OF CERTIFICATE

