



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-5511**

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

with type designation(s)
KRD-2003

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, 2009-09-08
for Det Norske Veritas AS

Eivind Mykland
Head of Department



Notified Body No.: **0575**

DNV local office:
DNV Sandefjord

This certificate is valid until
2014-09-08



Tessa Bieber
Surveyor



Notice: 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-5511
Item No.: A.1/1.5
Job Id.: 344.1-001957-1

Product description

KRD-2003 uninsulated immersion suit constructed to be worn with approved lifejacket.

Main fabric: Pronyl T22895 150 c0600 by Concordia
Zipper: PU 43, 90 cm by Dynat

Application/Limitation

- The immersion suit is to be worn in conjunction with an approved lifejacket and warm clothing.
- Production tests shall be conducted in accordance with IMO Res. MSC.81(70), part 2.

Type Examination documentation

This certificate replaces certificate MED-B-2342

The following documentation is basis for the approval:

- Reports from prototype testing in Trondheim on 2004-02-02, 03 and 04, 2004-02-23 and 2004-05-10, witnessed by DNV.
- Report from temperature cycling test in Trondheim from 2004-01-19 to 2004-02-07, witnessed by DNV.
- Technical File: KRD-2003 as detailed in List of content, version 1-21.04.2004, approved by DNV on 2004-05-11.

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.

Marking of product

The product is to be indelibly marked with name of manufacturer, type designation, dimensions and date of manufacture. Further, that it is to be worn in conjunction with a lifejacket and warm clothing. The marking shall comply with the LSA Code (IMO Res. MSC 48(66)), item 1.2.2.9 and 2.3.2.1.1.

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

