

EC Type-Examination (module B) Certificate

Directive on Marine Equipment Certificate No.: 0200-MarED-145 version 10

This is to certify that: FORCE Certification A/S did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the appendix attached hereto.

Manufacturer address: **Typhoon International Ltd. Limerick Road
Redcar, Cleveland TS10 5JU
United Kingdom**

Authorized representative address: **Plastimo Group, 15 Rue Ingénieur Verrière, 56100 Lorient
France**

Directive Reference: **MED Directive 2014/90/EU, Regulation (EU) 2021/1158**

Product designation: **Intrepid MK8 Uninsulated Immersion Suit**

In versions: **- Intrepid MK8 Non-Insulated Immersion Suit
- Wessex Non-Insulated Survival Suit
- OOSS (Once Only Survival Suit)
- ISSAC (Intrepid Submarine Surface Abandonment Clothing)
- 130610 & 130610-WIN Non-insulated Immersion Suit.**

Regulation item: **MED/1.5a Immersion suits and anti-exposure suits designed to be worn in
conjunction with a lifejacket - immersion suit without inherent insulation**

Product type: **Uninsulated Immersion Suit**


Specified standard(s): **LSA code MSC.48(66) adopted on 4 June 1996 and MSC.81(70) adopted on 11th
December 1998**

| | |
|--|--|
| Amendments to LSA code: | Amendments to testing methods: |
| MSC.207(81) adopted on 18 May 2006 | MSC.200(80) adopted on 13 May 2005 |
| MSC.218(82) adopted on 8 December 2006 | MSC.226(82) adopted on 8 December 2006 |
| | MSC.323(89) adopted on 20 May 2011 |
| | MSC 378(93) adopted on 22 May 2014 |

The attached appendix forms a part of this certificate. Documentation for observance of relevant requirements and the basis for the type-examination are described in the appendix to this certificate. This certificate will remain valid unless suspended, expired or withdrawn, provided the conditions in the attached appendix are complied with. The manufacturer shall inform FORCE Certification A/S of any contemplated changes.

This certificate replaces the former version 0200-MarED-145 version 9 issued 2020-12-07 due to change of Manufacturer address. Existing products conforming to the previous version of this certificate remain valid.

Date of issue: **2022-05-31**
Date of expiry: **2025-05-18**


Kasper Munk Eliassen
Certification Manager


Jonas Lesak Jensen
Examiner

FORCE Certification A/S task No.: **122-24634** / Certificate ID: **0200-MarED-05110-9**

Note 1: The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to being placed on board vessels to which the amended regulations or standards apply.

Note 3: The Mark of Conformity may only be affixed to the above type-approved equipment and a Manufacturer's Declaration of Conformity may only be issued when the production-control phase module (D, E or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Note 4: Status of this certificate can be verified on www.forcecertification.com. This EU Type-Examination Certificate is the property of FORCE Certification A/S. Extracts of this certificate may only be reproduced with a written permission from FORCE Certification A/S.

Appendix to EC Type-Examination Certificate

Directive on Marine Equipment (Module B)

Certificate No.: 0200-MarED-145 version 10
Issued by FORCE Certification A/S - EU-notified body number 0200

Manufacturer: **Typhoon International Ltd.**
Limerick Road
Redcar
Cleveland TS10 5JU
United Kingdom

Directive Reference: **MED Directive 2014/90/EU, Regulation (EU) 2020/1170**

Product designation: **Intrepid MK8 Uninsulated Immersion Suit**

In versions: **- Intrepid MK8 Non-Insulated Immersion Suit**
- Wessex Non-Insulated Survival Suit
- OOSS (Once Only Survival Suit)
- ISSAC (Intrepid Submarine Surface Abandonment Clothing)
- 130610 & 130610-WIN Non-insulated Immersion Suit.

Regulation item: **MED/1.5a Immersion suits and anti-exposure suits designed to be worn in conjunction with a lifejacket - immersion suit without inherent insulation**

Product type: **Uninsulated Immersion Suit**

Photo of product:



Front

Back

Model Intrepid MK8 Non-Insulated Immersion Suit

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Approval documentation:

Documentation for observance of relevant requirements stated in the applied standard(s):

| Test House | File No. | Testing/Inspection of: |
|------------------------------|-------------|--|
| FORCE Technology | 113-24532.b | Type test of 130610. |
| ErgoPro | 01-2013 | Thermal properties |
| FORCE Technology | 110-24623.a | Compatibility tests. |
| FORCE Technology | 110-29382.a | Partly tested according to "Compatibility test protocol" (HSE document). |
| Fleetwood testing laboratory | Report 3164 | Testing of immersion suit in version 130610 with blue nitrile gloves. |

Conclusion: Based on the above-mentioned attestation it can be concluded that the lifejacket designated, "Intrepid MK8 Un-Insulated Immersion Suit", meets the conditions of EC type-examination in accordance with the Marine Equipment Directive (MED) 2014/90/EU as amended, last amended by Regulation (EU) 2021/1158.

Compatibility:

The suit has been tested in regard to compatibility with the following lifejacket:

| Model: | Notified Body: | Certificate No.: |
|---|-------------------------|-------------------|
| - Challenger Interlock 275 Twin Chambered Inflatable Lifejacket | FORCE Certification A/S | DK-0200-MarED-143 |

Limitations/restrictions: None

Place(s) of production:

Where the equipment is manufactured or assembled:

| Company: | Address: |
|----------------------------|--|
| Typhoon International Ltd. | Limerick Road, Redcar, Cleveland. TS10 5JU, UK |

Technical documentation:

The following documentation was available

- Description/drawings: Technical file in FC 80.935-384/10
- Information on materials/components and suppliers: See list of materials in technical file
- Marking and user info: Marking and label assessed and approved in FC 119-30024

Appendix to EC Type-Examination Certificate

Directive on Marine Equipment (Module B)

Certificate No.: 0200-MarED-145 version 10
Issued by FORCE Certification A/S - EU-notified body number 0200

History:

| Issue/change: | Document: | FC ID No. | Date: |
|--|---------------------------|--------------------|------------|
| - Original certificate | DK-0200-MarED-145 ver 1 | - | 2010-06-11 |
| - Separate certificates for the following versions: OOSS, ISSAC and WESSEX. Partly tested according to "Compatibility test protocol" (HSE document) | DK-0200-MarED-145 ver 2 | - | 2010-08-06 |
| - Correction (LSA code) | DK-0200-MarED-145 ver 3 | - | 2010-08-30 |
| - Update of certificate validity | DK-0200-MarED-145 ver 4 | - | 2015-05-20 |
| - Change of applicant and manufacturer | DK-0200-MarED-145 ver 5 | 05044 | 2018-10-05 |
| - Correction of address | DK-0200-MarED-145 ver 6 | 05110 | 2018-10-22 |
| - Addition of versions and alternative materials | 0200-MarED-145 ver 7 | 06915 | 2019-08-19 |
| - Renewal before expiry date 2020-05-20 | 0200-MarED-145 ver 8 | 08296 | 2020-05-18 |
| - Update of documentation | 0200-MarED-145 ver 9 | 09728 | 2020-12-07 |
| - Correction of address | 0200-MarED-145 version 10 | 0200-Mared-05110-9 | 2022-05-31 |

End of certificate