



TYPE APPROVAL CERTIFICATE

Certificate No:
TAF00001CG
Revision No:
3

This is to certify:

That the Protective Clothing

with type designation(s)
AlphaTec®LIGHT type T

Issued to

Ansell Protective Solutions AB
Malmö, Skåne Län, Sweden

is found to comply with

DNV rules for classification – Ships
DNV offshore standards
DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application :

Approved as protective clothing resistant to chemical attack according to SOLAS Ch.II-2 Reg.19.3.6.1, IMO IBC Code Ch. 14.1 and 14.2.2.2 and IMO IGC Code Ch.14.1 and 14.3.2.2
Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2022-01-07**

for **DNV**

This Certificate is valid until **2024-02-04**.

DNV local station: **Sweden CMC**

Approval Engineer: **Michael Oberländer**

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Jörg Kallies
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

AlphaTec®LIGHT type T is classed as a Type 1b gas-tight chemical protective suit with a breathable air supply worn outside the chemical protective suit.

Non-encapsulating suit to be used with positive pressure breathing apparatus (complying with EN136 & EN137). Use of AlphaTec Mini Hood or SCBA cover is recommended, alternatively permanently attached Dräger Panorama Nova EPDM or Interspiro Spiromatic or Frenzy Panoramasque full face mask.

The garment material is of polyamide coated with PVC. Standard colour is orange with an option for green.

Integral socks/booties in the suit material with separate outer boots or alternatively attached boots Dunlop Acifort A4422B1 may be used.

Gas-tight Dynat chloroprene rubber zipper.

Ansell 08-354 chloroprene rubber gloves or AlphaTec 38-560 Butyl rubber gloves attached with the AlphaTec Bayonet ring system or other gloves of approved type.

A suit ventilation system controlled with the AlphaTec ventilation regulation valve type T is fitted as standard. An extra overpressure valve may be added on the right side of the chest as an option.

The available sizes are XXS - XXXL.

Manufactured by Ansell Protective Solutions Lithuania, UAB, Pramones 5K; LT-72328 Taurage, Lithuania.

Application/Limitation

As required by SOLAS 1974 as amended, Ch. II-2 Reg.19.3.6.1, IMO IBC Code Ch.14.1. and 14.2.2.2 and IMO IGC Code Ch.14.1 and 14.3.2.2.

Achieved performance levels of the protective clothing material - EN 14325:2018

Abrasion resistance (EN ISO 12947-2 mod. acc. EN 14325) Class 6

Flex cracking resistance (ISO 7854:B) Class 6

Flex cracking resistance -30°C (ISO 7854:B) Class 6

Tear resistance (EN ISO 9073-4) Class 4

Tensile strength (EN ISO 13934-1) Class 6

Puncture resistance (EN 863) Class 3

Resistance to flame (EN 13274-4:2001 method 3 modified) Class 2

Seam strength (EN ISO 13935-2) Class 6

Closure/zipper strength (EN ISO 13935-2) Class 6

Achieved performance levels for resistance to permeation by chemicals - EN 943-1 2015:

Formaldehyde solution Class 6

Hydrochloric acid, 37% Class 6

Sodium hydroxide, 40% Class 6

Sulphuric acid, 50% Class 6

The applicant's instructions for use, storage, transport, maintenance and the applicant's recommendations and restrictions for use are to be complied with. See the Classification Appendix to EC Type Examination Certificate No. 0200-PPE-04545 version 3.

Type Approval documentation

EC Type examination certificate (PPE Directive) 0200-PPE-04545 version 3, dated 2021-07-21 issued by FORCE Certification A/S.

User manual AlphaTec®LIGHT

Tests carried out

EN 943-1:2015 + A1:2019

Marking of product

The markings are to be in accordance with EN 943-1:2015 Para 7. The product or its packing shall as a minimum be marked with the company's name, trade mark and the same type designations as given in the TA certificate for traceability. The marking shall be permanent and unique.

Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNV-CP-0338, Section 4.