DNV·GL

Certificate No:
TAF00001CG

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Protective Clothing

with type designation(s)
AlphaTec®LIGHT type T chemical protective clothing

Issued to
Ansell Protective Solutions AB
Malmö, Skåne Län, Sweden

is found to comply with
DNV GL rules for classification – Ships
DNV GL offshore standards
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2019-12-17**
This Certificate is valid until **2024-02-04**.
DNV GL local station: **Sweden CMC**

Approval Engineer: **John Alan Walton**

for **DNV GL**

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.

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Product description

AlphaTec®LIGHT type T chemical protective clothing 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 preasure 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 Scorpio 08-354 chloroprene 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.

Application/Limitation

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

Achieved performance levels of the protective clothing material - EN 943-1:2015
Abrasion resistance (EN530) Class 6
Flex cracking resistance (EN ISO 7854 Method B) Class 6
Flex cracking resistance -30°C (EN ISO 7854 Method B) Class 6
Trapezoidal 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) Class 2
Seam strength (EN 13935-2) Class 6

Achieved performance levels for resistance to permeation by chemicals - EN 943-1 2015:
Ammonia (gas) Class 6
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.

Type Approval documentation

EC Type examination certificate (PPE Directive) DK-0200-PPE-04545 Version 1 dated 2018-07-11 issued by Force Certification.
User manual AlphaTec®LIGHT

Tests carried out

EN 943-1:2015 + FprA1:2018

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

Job Id: **262.1-032977-1**
Certificate No: **TAF00001CG**

DNV GL'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 DNVGL-CP-0338, Section 4.